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ABSTRACT

The Trace Center gathers and organizes information on communication, control, and computer access for handicapped individuals. The information is disseminated in the form of brief sheets describing print, nonprint, and organizational resources and listing addresses and telephone numbers for ordering or for additional information. This compilation of information sheets produced in 1988 covers the following topics: adaptive toys and toy modifications; books, pamphlets, and organizations; information resources for blind and visually impaired individuals; computer assessment and training programs for disabled individuals; information resources for deaf and hearing-impaired individuals; head pointers, light pointers, and mouthsticks; keyguards; keyboard modification programs; manufacturers of electronic communication aids; networks, bulletin boards, and databases; portable battery-operated printers; pointing, typing, and communication accessories; optical character recognition scanners; training programs in technology for special education; portable typewriters; newsletters and journals; associations, advocacy groups, and self-help groups; service centers for augmentative communication and computer access; software resources; speech input systems; speech output computer programs for communication; speech synthesizers; manufacturers of switches and controls; and videotapes on augmentative communication and computer access. (JDD)

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QUICK INFORMATION SHEETS

1988

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Trace Research and Development Center on Communication, Control, and Computer Access for Handicapped Individuals
University of Wisconsin-Madison

Waisman Center/1500 Highland Avenue Madison, Wisconsin 53705-2280 (608)262-6966 TDD: (608)263-5408

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Trace Research and Development Center
on Communication, Control & Computer Access for Handicapped Individuals
Waisman Center
University of Wisconsin-Madison

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Trace Quick Sheets
January, 1988

Adaptive Toys and Toy Modifications

This list contains information regarding adapted toys and toy modifications to allow single switch control. Included are books, pamphlets, catalogs, companies and organizations. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

Books and Pamphlets

Switching Mechanisms for Special Needs -- A Project Manual
William M. Lynn
$6.50
National Clearinghouse of Rehabilitation Materials
115 Old USDA Building
Oklahoma State University
Stillwater, OK 74078
405/624-7650
This project manual first explains how switches work by presenting basic electronics principles, and then provides step-by-step instructions for building several types of switches and accessories.

Toys and Games for Educationally Handicapped Children
1969
Buist, Charlotte & Schulman, Jayne
Thomas Publishing
P.O. Box 19265
2600 South 1st Street
Springfield, IL 62794-9265
217/789-8980

Homemade Battery Powered Toys and Educational Devices for Severely Handicapped Children
1980
Linda J. Burkhardt
8503 Rhode Island Avenue
College Park, MD 20740
301/345-9152

More Homemade Battery Devices for Severely Handicapped Children with Suggested Activities
1982
Linda J. Burkhardt
8503 Rhode Island Avenue
College Park, MD 20740
301/345-9152

Using Computers and Speech Synthesizers to Facilitate Communication Interaction
Linda J. Burkhardt
8503 Rhode Island Avenue
College Park, MD 20740
301/345-9152

Homemade Switches and Toy Adaptations for Early Training with Nonspeaking Persons
1984
William B. Coker, Jr.
Cincinnati Center for Developmental Disabilities
3300 Elland Avenue
Cincinnati, OH 45229
513/559-4688
LSHSS 15, 1, pp.32-35. (Reprints)

Technology for Independent Living Sourcebook
Alexandra Enders (ed.)
1984
RESNA
1101 Connecticut Avenue
Suite 700
Washington, DC 20036
202/857-1199
This book contains a comprehensive listing of associations, toy libraries in each state, and manufacturers and distributors of special toys.

Guidelines for Adapting Toys for the Physically Handicapped
Jayne Higgins
1982
California Avenue School
215 West California Avenue
Vista, CA

Touch Toys and How to Make Them
1984
$4.00 + .69 for postage
Touch Toys
P.O. Box 2224
Rockville, MD 20852
This is an instruction book on how to make over 100 toys for the blind. Checks payable to: Touch Toys.

Toy Modification Note: Build-it-Yourself-Battery-Insert
G.C. Vanderheiden
1982 (1986, revised)
Trace Center
1500 Highland Avenue
S-151 Waisman Center
Madison, WI 53705
608/262-6966
Describes construction and operation of battery inserts to allow control of battery operated devices by handicapped individuals without requiring modification of the toys themselves. Full diagrams and operating instructions included.

From Toys to Computers: Access for the Physically Disabled Child
C. Wright and M. Nomura
Revised 1987
$20.00
Christine Wright
P.O. Box 700242
San Jose, CA 95170

Compu-Robot
$34.95
Comp Tech Systems Design
P.O. Box 516
Hastings, MN 55033
612/437-1350
An audio-controlled robot. Easy-to-use, programmable, remembers up to 48 commands, 3 speed, right and left turn, u-turn, pause. Uses 4 AA-batteries.

Catalogs

Arroyo & Associates
88-45 79th Avenue
Glendale, NY 11385
718/849-9306

"Special Populations Catalog"
Flaghouse, Inc.
150 N. MacQuesten Parkway
Mt. Vernon, NY 10550
914/699-1900

Kaye's Kids
1010 E. Pettigrew Street
Durham, NC 27701-4299
919/683-1051

Handicapped Children's Technological Services. Inc.
P.O. Box 7
Foster, RI 02825
401/397-7666

A Declaration of Independence
Adaptive Aids
P.O. Box 57640
3865 East 34th Street
Suite 109
Tucson, AZ 85713
602/881-6715

Toys for Special Children
Steven Kanor, Ph.D
8 Main Street
Hastings on Hudson, NY 10706
914/478-0960

Zygo Industries, Inc.
P.O. Box 1008
Portland, OR 97297-1008
503/297-1724

The Able Child
1761 Stewart Avenue
New Hyde Park, NY 11040

Associations and Organizations

LEKOTEK
2100 Ridge
Evanston, IL 60204
312/328-0001
A non-profit resource center with specialized play materials, therapy equipment, and books for loan.

USA Toy Library Association (USA-TLA)
Judith Iacuzzi, Exec. Director
104 Wilmot Road
Suite 201
Dearfield, IL 60115
312/940-8800
Toy library, information on adaptive toys, newsletter.

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on Communication, Control & Computer Access for Handicapped Individuals
Waisman Center
University of Wisconsin-Madison

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Trace Quick Sheets
January, 1988

Books, Pamphlets and Organizations

This resource list provides information on books, pamphlets, and organizations of interest to disabled persons and those working with them. Particular emphasis has been put on resources that pertain to computer access for people with disabilities. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

Books and Pamphlets

Computer Technology for the Handicapped: Proceedings of the Closing the Gap Conference
Grogan, M. and Hagen, D.
Closing the Gap
P.O. Box 68
Henderson, MN 56044
(612) 248-3294
These proceedings of the CTG Conference presentations provide information on application of computers for disabled persons.

Special Education Applications for PowerPad
Dunamis, Inc.
3620 Highway 317
Suwanee, GA 30174
404/932-0485

Compilation of Clinical Software for Aphasic Rehabilitation and Cognitive Retraining.
Brubaker, Susan Howell, and Rolnick, Michael I.
1984
$69.95
This compilation provides descriptions of software programs and their characteristics for use in microcomputer-assisted aphasia rehabilitation and cognitive retraining.

Ten Keys
$198.00 (starter issue); $125.00 (renewal, supplements)
Aids Unlimited, Inc.
1101 North Calvert Street
Suite 405
Baltimore MD 21202
301/659-0232
Set of notebooks with tabs, separated into five sections including information on assistive devices, information on implementation of 504, court decisions, books, publications, services and funding. Starter issue (containing all previous supplements) and 11 monthly supplements, $198.00. Renewal, 12 supplements, $125.00 year.

Quick Guide to Resources in Special Education Technology
(Under revision/1987)
Bob Reid and Diane Herera Shepard
Utah State Office of Education
Special Education Section
Developmental Center for Handicapped Persons
Utah State University
Logan, UT

Considerations 3.0: Results of the Industry/Government Cooperative Effort on Computer Accessibility for Disabled Persons
Vanderheiden, G.C., and Lee., C.C. (coordinators)
1987
$7.50
Trace Research and Development Center
S-151 Waisman Center
1500 Highland Avenue
Madison, WI 53705
These Considerations are a result of industry/government/ researcher/consumer cooperative effort to study the designs of computers and develop recommendations for modifications to make them more accessible. The particular focus of these Considerations is the ability for disabled persons to use standard computers and standard software. The Considerations are continually revised based upon the work of the committee. Anyone may participate by securing a copy of the Guidelines, reviewing them, and sending in comments.

Effective Microcomputer Assisted Instruction for the Vocational Education of Special Needs Students
University of Wisconsin-Madison
Publications Unit
265 Educational Sciences Building
1025 West Johnson Street
Madison, WI 53706
608/263-4357
Manual provides assistance to persons concerned with the vocational and career education of handicapped youth. Contains microcomputer assisted instructional programs, program name, developer, contact person, vocational area, and type of student for which the program was found effective.

Using Authoring in Education: Customizing Computer Based Lessons for Students
$19.95
Brookling Books, Inc.
P.O. Box 1046
Cambridge, MA 02238
Book designed for the educator who is serious about making maximum utilization of the computer in instructional settings. Contains information on authoring systems, enhancements and special features such as graphics, modified input devices, voice and speed synthesis.

Express Yourself - Communication Disabilities Need Not Be Handicaps
Peg L. Johnson
1986
$9.95 + $2.00
Pegijohn
6432 5th Avenue
South Richfield, MN 55423
This book demonstrates how individuals with communication disorders are currently achieving various degrees of self-expression through the use of portable electronic augmentative communication aids.

Oakland Schools Picture Dictionary
$45.00
Oakland Schools
CEC
2100 Pontiac Lake Road
Pontiac, MI 48024
Over 500 simple line drawings divided into 20 categories; alphabetical and categorical indexes; line drawings presented in 3 sizes; sample communication boards and grids - all compatible with commercially available microcomputer interfaces.

Electronic Communication Aids: Selection and Use
Iris Fishman, M.A., Augmentative Communication Specialist
1987
$17.50
College Hill Press
Division of Little Brown & Co.
Boston
Book providing a practical approach to understanding, selecting, and using electronic communication aids so that speech/writing impaired individuals can receive maximum benefit from them.

Occupational Therapy In Health Care
Haworth Press, Inc.
28 East 22nd Street
New York, NY 10010-6194

A Study of Communication Aid Research, Prescription, and Commercialization in the United Kingdom and the Netherlands.
Richard A. Foulds
$1.50
World Rehabilitation Fund, Inc.
400 East 34th Street
New York, NY 10016
Attn: Diane Wood, Project Director
212/679-2934
Includes service delivery models, aid demonstration centers, available communication aids, and microcomputer-based communication.

Communication Interaction Between Aided and Natural Speakers: A State-of-the-Art Report
Arlene W. Kraat
$16.50
Trace Research and Development Center
S-151 Waisman Center
1500 Highland Avenue
Madison, WI 53705
608/262-6966
A compilation of published and unpublished research, clinical observations and perspectives of aid users. Sponsored by IPCAS: The International Project on Communication Aids for the Speech Impaired

Used Equipment Marketplace: A Strategy for Cutting Equipment Costs
$9.00
Metropolitan Center for Independent Living
1619 Dayton Ave.
St. Paul, MN 55104
612/646-8342 (voice)
612/646-6048 (TDD)

Recognizing and Enhancing the Communication Skills of Your Group Home Clients
Beverly Vicker
1985
Development Training Center
Attn: DTC Library
2853 East Tenth Street
Bloomington, IN 47405
812/335-6508

Computer Technology/Special Education Rehabilitation Proceedings
1986
$12.95
Office of Disabled Student Services
California State University, Northridge
1811 Nordhoff Street
Northridge, CA 91330
818/885-2869
Focuses on 27 of the presentations at the conference of the same name, held in October 1985.

Computers, Education, and Special Needs
E. Paul Goldenberg et al.
1984
$14.95
This book provides a practical introduction to the use of the computer as a tool for special needs education as it relates to communication, access and motivation. Case studies and a guide for implementation are included.

Technology for Independent Living Sourcebook
Alexandra Enders, OTR (Editor)
1984
$25.00
RESNA
1101 Connecticut Avenue NW
Suite 700
Washington DC 20036
202/857-1199
This Sourcebook provides an exhaustive listing of resources for individuals with disabilities and the professionals working with them. It also contains helpful brief articles explaining major concepts, philosophies, and technical information of relevance to the areas covered. A new edition is due out for 1988.

A Guide to Controls: Selection, Mounting, Application
1982
$10.00
RESNA
1101 Connecticut Avenue NW
Suite 700
Washington DC 20036
202/857-1199
The Guide to Controls was compiled to help users select and locate the most useful switches and controls for operating assistive devices.

Access to Computers for the Physically Handicapped
Publication ACPH-4 2/84
1984
No charge for single copy
Prentke Romich
1022 Heyl Road
Wooster OH 44691
216/262-1984
This product brochure attempts to promote a greater awareness of computer-related PRC products, which provide access to computers for disabled people.

Features of Commercially Available Communication Aids
A. Kraat and M. Silver
Prentke Romich Company
1022 Heyl Road
Wooster OH 44691
216/262-1984
This chart visually displays functions of most of the major commercially available aids; many are useful for computer access. Non-PRC aids are included.

Personal Computers and the Disabled--A Resource Guide
No charge for a single copy
Apple Computer
20525 Mariani Avenue
Cupertino CA 95014
408/996-1010
Telex 171-576

Guide to Learning: Resources for Users of IBM Personal Computers
1984
Available from IBM, 1984.

I'm Handicapped! How Can I Use Computers?
The Handicapped's Source
Computability
101 Route 46 E
Pine Brook NJ 07058
201/882-0171
800/345-4076 (outside NJ)
This pamphlet gives an introduction to the basic parts of a computer and how it can be used by disabled individuals.

Personal Computers and Special Needs
Frank G. Bowe
1984
Sybex, Inc.
2021 Challenger Drive
Alemeda, CA 94501
800/227-2346
This book shows how computers can be used by individuals with different disabilities, in part by sharing the stories of people who are using computers now.

Personal Computers and the Disabled
Peter A. McWilliams
1984
Quantum Press
Doubleday and Company, Inc.
501 Franklin St.
Garden City NY 11530
516/294-4000
This book gives an introduction and overview of the computer and its potential applications for disabled individuals. Includes comprehensive resource listings of associations, federal government agencies, state agencies, etc.

Handbook of Microcomputers in Special Education
Michael M. Berhmann
1984
College Hill Press
4284 41st Street
San Diego CA 92105
800/343-9204
800/238-2300
This book provides an overview of computer applications in special education in a way that generates enthusiasm and decreases the fear of using computers.

Handbook of Microcomputer Applications in Communication Disorders
Arthur H. Schwartz
College-Hill Press
4284 41st Street
San Diego CA 92105
800/343-9204
800/238-2300
This book focuses on the understanding and application of the computer by agencies, clinics, and clinicians. Included are evaluation measures for hardware and software, steps in implementation, and possible funding strategies.

Clinical Applications of Microcomputers in Communication Disorders
James L. Fitch
University of Southern Alabama, Mobile
1986
Harcourt Brace Jovanovich
A comprehensive reference for the utilization of the microcomputer in the field of communication disorders. An appropriate text for courses on clinical management, as well as a resource for professionals in the field of communication disorders

Microcomputer Resource Book for Special Education
Dolores Hagen
Bk. # 083-594-3453
1984
Prentice-Hall, Inc.
200 Old Tappan Road
Old Tappan NJ 07675
201/767-5937
This book gives an overview of current applications for individuals with disabilities.

IBM Special Education Resources Guide to Adaptive Devices, Software, and Services for Special Education, Vocational Rehabilitation and Employers
National Support Center for Persons with Disabilities
P.O. Box 2150
Atlanta GA 30055
404/238-3206
1-800-IBM-2133
A listing of resources related to microcomputer use by persons with disabilities.

Computer Technology for the Handicapped in Special Education and Rehabilitation: Resource Guide I and II
ICCE (International Council for Computers in Education)
University of Oregon
1787 Agate Street
Eugene OR 97403
503/686-4414

Software Selection, Evaluation and Organization
ICCE (International Council for Computers in Education)
University of Oregon
1787 Agate Street
Eugene, OR 97403
503/686-4414

Learning Disabled Students and Computers: A Teacher's Guidebook
ICCE (International Council for Computers in Education)
University of Oregon
1787 Agate Street
Eugene, OR 97403

Interactive Video in Special and General Ed: A Development Manual
ICCE (International Council for Computers in Education)
University of Oregon
1787 Agate Street
Eugene, OR 97403

Indiana Assistive Device Resource Directory
Instructional Materials Center
251 E. Ohio Street
4th Floor
Indianapolis IN 46204
317/269-9441
Directory to help Indiana service providers match those needing assistance to people and product sources. Resource/contact persons for non-vocal communication in Indiana and a listing of the equipment they have are included. Revised 1987, available by mail at 229 State House, Indianapolis, IN 46204

Tell 'em Ware
$15.95 (AppleWorks Database)
1714 Olson Way
Marshalltown IA 50158
Over 400 addresses of sources useful in application of Apple computers with special education students; e.g. suppliers of Apple compatible parts and accessories, suppliers of software for the handicapped, organizations and individuals with further information, collections of public domain educational software.

Computer Use in Cognitive Retraining
1984
$1.25
National Head Injury Foundation
P.O. Box 567
Framington MA 01701
617/879-7473
Includes an overview and considerations for determining appropriate use of computer technology in cognitive retraining; a bibliography with information on software, computer adaptations, articles, resources.

Cognitive Rehabilitation Resources for the Apple II Computer
Jeffery S. Kreutzer, Mark R. Hill, Catherine N. Morrison
Neuroscience Publishers
6555 Carrollton Avenue
Indianapolis, IN 46220
(317) 257-9672
Contains information on setting up and using computers in cognitive rehabilitation, plus reviews of available software.

Microcomputer Applications for Speech-Language Services in Schools
Jana Sanders, M.A.
Careers, Computers, and the Handicapped
Michael Bender, Nancy Pin-Milburn, Lee Richmond
Pro-Ed

Everybody's Technology: A Sharing of Ideas in Augmentative Communication
Charles Goris-Monis
Charlescoms Env.
P.O. Box 419
Jean Talan Station
Montreal, Quebec H1S 2Z3

Programming Equity into Computer Education
$9.95
Project on Equal Education Rights
11th Floor
1333 H Street, N.W.,
Washington, DC 20005
A kit to evaluate the accessibility of computer resources to disabled students, girls, minorities and low-income students.

Proceedings of the National Conference on Microcomputers in Special Education
Hartford, Connecticut March 1983
CEC (Council For Exceptional Children) 5512
1920 Association Drive
Reston, VA 22901-1589
703/620-3660

Microcomputers in Special Education: An Introduction to Instructional Applications
Budoff, Milton Thormann
1985
$19.95
This book introduces special education teachers and administrators to microcomputers and how they can be used in special education settings.

Computer Technology for the Handicapped in Special Education and Rehabilitation
ICCE - International Council for
Computers in Education
University of Oregon
1787 Agate Street
Eugene, OR 97403
503/686-4414

Organizations

HEATH Resource Center
(Health Education and the Handicapped Center)
National Clearinghouse on Post-Secondary Education for Handicapped Individuals
1 Dupont Circle NW
Washington, DC 20036
202/939-9320
800/54-HEATH
Disseminates information about educational support services, policies, procedures, adaptations, and opportunities for disabled students. Prepares and disseminates the HEATH Resource Directory and a newsletter three times a year.

Access Unlimited/SPEECH Enterprises
Sherry Lowry, President
P.O. Box 7986
Houston, TX 77270
713/461-1665
Information on large print and speech output.

Education Turnkey Institute
256 N. Washington Street
Falls Church, VA 22091
703/536-2310
Provides information services and training on technology use in special education. Also conducts surveys of state and local education associations for publishers and developers.

Computer Users in Speech and Hearing (CUSH)
School of Speech and Hearing Sciences
Ohio University
Athens, OH 45701
614/593-1407
CUSH is an organization of speech pathologists and audiologists involved in the application of computer technology in the communication sciences. Information is exchanged through journals and a software lending library.

SEDL/Regional Rehabilitation Exchange
211 E. 7th Street
Austin, TX 78701
512/476-6861
This project identifies exemplary practices and programs. The core area is "High Technology Applications in the Vocational Rehabilitation Process." Technical assistance in this area is provided.

Fairfax County Public Schools
10310 Layton Hall Drive
Fairfax, VA 22030
703/691-2186
Resource center for technology for handicapped students in public schools. Have explored computer applications in the following areas: computer literacy, CAI, communication assistance and vocational training.

East Range Developmental Achievement
800 A Avenue
Eveleth, MN 55734
218/744-5130
An exchange network for information on the use of microcomputers by persons with developmental disabilities.

Data Referral Network
Mobility Special Services, Inc.
190 Sumner Street
Boston, MA 02062
617/891-8858
Data Referral Network provides "one-stop shopping" for disabled individuals. (New York residents must call: 800/962-1480, ext. 333)

Governor's Advocacy Council for Persons with Disabilities
1318 Dale Street
Suite 100
Raleigh, NC 27605
919/733-9250
This organization is a resource center for disabled persons in North Carolina.

Massachusetts Rehabilitation Commission Library
Room 331
20 Park Plaza
Boston, MA 02116
617/727-1140 (voice and TDD)
This library is dedicated exclusively to literature about disabled people. Information about computers and adaptive devices is available free of charge to handicapped people.

First Dibs
Disability Information Brokerage System
P.O. Box 1285
Tucson, AZ 85702-1285
602/327-8277
A resource sharing network that provides a wide range of resources including information on new technological developments regarding computers as well as augmentative communication and rehabilitation devices.

Easter Seal Children's Center
2030 Towers Ferry Rd., Suite 140
Atlanta, GA 30339
404/980-1744
Offers advice and training for computer use with pre-school handicapped children. Includes diagnostic services for students regarding computers, peripherals and appropriate software.

Easter Seal Society
(Formerly Blissymbolics Communication Institute)
350 Rumsey Road
Toronto, Ontario, Canada M4G 1R8
416/424-3805
Support and educational group involved in the design of computer programs using Blissymbols. Resource center for the use of Blissymbols. Distribute programs using Blissymbols for augmentative communication.

Bureau of Education for Exceptional Students
Florida Bureau of Education for Exceptional Students
Knott Building
Tallahassee, FL 32301
904/488-4245
State Education Agency providing hands-on training for microcomputer use to teachers and students. Acts as a resource center for anyone wanting information regarding technology and students with disabilities.

Access/Abilities
P.O. Box 458
Mill Valley, CA 94942
415/388-3250
Access/Abilities maintains a data base of resources for physically impaired individuals. The data base contains information on services, aids, and adaptive devices. The data is not yet electronically accessible.

Connecticut Special Education Resource Center
Hartford Graduate Center
275 Windsor Street
Hartford, CT 06120
203/246-8514
Offers inservice training on microcomputer use in special education. Acts as a resource center for computer software, professional books, tests, and instructional materials. Runs an annual summer conference.

ABLENET
Cerebral Palsy Center
Griggs-Midway Building
1821 University Avenue
St. Paul, MN 55104
612/331-5958
ABLENET provides information on technological devices and support services for children and adults with severe or profound disabilities.

National Organization on Disability (NOD)
910 16th St. NW
Suite 600
Washington, DC 20006
202/293-5968 (Voice or TDD)
NOD offers information and referral services to all handicapped individuals. The organization is community-based and supports a national network of disabled people working together for change.

NIRE (National Institute for Rehabilitation Engineering)
P.O. Box 841
Butler, NJ 07405-0841
201/853-6585
This organization is an information and referral center for disabled persons seeking rehabilitation with the help of technology.

Job Accommodation Network (JAN)
University of West Virginia
809 Allen Hall
P.O. Box 6122
Morgantown, WV 26505-6122
800/526-7234
A service of the President's Committee on Employment of the Handicapped, operated by NIHR (National Institute of Handicapped Research) and RSA (Rehabilitation Services Administration). Provides a free information system for employers regarding job modifications and accommodations. Includes equipment modifications, site modifications, and redesign of job functions to suit functional limitations.

FDLRS/EAST
Sharon Tolson
1450 Martin Blvd.
Merritt Island, FL 32952
305/631-1911
FDLRS/SOUTH
Dr. Elenor L. Levine
9220 S.W. 52nd Terrace
Miami, Florida 33165
305/274-3501

SECTOR Project
Kim Allard, Director
UMC 68
Utah State University
Logan, UT 84322
801/750-1981
The Sector project has been terminated; because of this, personal technical assistance is no longer available. However, this project will still disseminate information on associations, organizations, and government agencies involved with helping handicapped persons.

Center for Multisensory Learning
Linda De Lucchi
Lawrence Hall of Science
University of California
Berkeley, CA 94720
415/642-8941

ERIC Clearinghouse on Handicapped and Gifted Children
The Council for Exceptional Children (CEC)
1920 Association Drive
Reston, VA 22091
703/620-3660
Disabled or gifted children; produces one database, ECER (research and related literature), and offers searches of the ERIC database; publishes fact sheets and brief bibliographies on topics of current interest; responds to information requests.

National Center for Health Statistics
3700 East-West Highway
Hyattsville, MD 20782
301/436-8500

Association for Retarded Citizens (ARC) of the US
Bioengineering Program
2501 Avenue J
Arlington, TX 76006
817/640-0204
Technology for mentally retarded persons. Adapts currently available assistive devices for use by retarded persons; develops new assistive devices when needed; consolidates information on the use of technical aids into technology resource library.

Computer Options
85 Market Street
Poughkeepsie, NY 12601
914/471-2765
Workshops, service and consultation to schools, facilities and individuals interested in using computers with handicapped children. Quarterly newsletter (free) with new products, unique applications, and more. Also has Educational Software Catalog (free) – 500 titles by subject area.

National Clearinghouse of Rehabilitation Training Materials (NCRTM)
Oklahoma State University
115 Old USDA Building
Stillwater, OK 74078
405/624-5000
Provides information on rehabilitation with primary emphasis on training materials for use by educators or disabled persons or counselors. Publishes the NCHRTM Memo (quarterly) to help disseminate information.

Stout Vocational Rehabilitation Institute
Materials Development Center (MDC)
University of Wisconsin-Stout
Menomonie, WI 54751
715/232-1342
Vocational evaluation and work adjustment; collects, develops, and disseminates information and materials on vocational evaluation and work adjustment, including the use of technology.

National Information Center on Deafness
Gallaudet College
800 Florida Avenue NE
Washington, DC 20002
202/651-5109 (voice/TDD)
Deafness and hearing loss: centralized source of information on deafness; responds to inquiries from parents, professionals, and deaf individuals; disseminates fact sheets, resource listings, and other materials.

Tech-Tapes
Susan Elting
Council for Exceptional Children
1920 Association Drive
Reston, VA 22091
8000/345-TECH
Series of taped messages on special education technology. Tapes are available 6 PM to 1 PM Monday-Friday. Staff will answer and handle requests from 1 PM to 6 PM.

NEISS
New England Institute of Sensory Science
71 Pleasant Street
Worcester, MA 01609
617/791-4303
Information center on technology for people with hearing, visual, balance and touch disabilities. Also provides information on organizations and special services for people with sensory disabilities.

Mill Neck Foundation, Inc.
P.O. Box 100
Mill Neck, NY 11765
516/922-3880
Telecommunication van designed as a mobile learning lab and demonstration unit for TDDs. Travels in an interstate area in the northeastern region.

HELPLINE
Pracon, Inc.
10390 Democracy Lane
Fairfax, VA 22030
703/620-6400
Prepares lists of assistive devices. Checklists distributed primarily to physicians' offices to be given to patients as needed. Lists are sent in response to the checklists received, with occasional further searches for special products. Free of charge, funded by Merck, Sharp, & Dohme.

Kinsmen Rehabilitation Foundation of British Columbia
2256 West 12th Avenue
Vancouver, British Columbia V6K 2N5
Information center on resources for persons with disabilities. KRIS database, soon to be available, will include information on technology, organizations and other resources.

C-CAD (Center for Computer Assistance to the Disabled)
2501 Avenue J
Suite 100
Arlington, TX 76006
817/640-6613
Generates the donation of computers, peripherals, and software from commercial organizations for placement (donation or on loan) to disabled clients. Maintains computer database of resources of information. Consults and responds to requests for information about special adaptations or modifications to computers for use by the disabled.

AIDLINE
Associated Enterprise
Development, Inc.
120 Admiral Cochrane Drive
Annapolis, MD 21401
301/841-6920
Taped messages about technology for people with disability. Suspended, but group is looking for funding to continue project.

The Technical Resource Center
525 11th Avenue S.W.
Suite 100
Calgary, Alberta, Canada T2R 0C9
403/262-9445
Does assessments and provides technical aids to help disabled persons better realize educational, vocational, social and independent living potentials. Consults on the selection, operation, and application of aids. Equipment is loaned for trial use and assessment. Educates professionals. Maintains computerized library of information.

National Technology Center
American Foundation for the
Blind, Inc.
15 West 16th Street
New York, NY 10011
212/620-2000
The Center has three components: National Technology Data Base; Evaluations; Research and Development. Provides a resource for blind and visually impaired persons and professionals who work with them.

NTID (National Technical Institute for the Deaf)
1 Lomb Memorial Drive
Rochester, NY 14623
716/475-6400
This organization of the U.S. Department of Education is a resource center for technical education for deaf and hearing impaired people.

Western Center for Microcomputers in Special Education
1259 El Camino Real
Suite 275
Menlo Park, CA 94025
415/326-6997
Publishes The Catalyst (quarterly). Provides information on computer peripherals for use by handicapped individuals.

Office of Special Education
Apple Computer, Inc.
20525 Mariani Avenue
Cupertino, CA 95014
408/996-1010
Through this office, Apple works with key education, rehabilitation and advocacy organizations nationwide to identify the computer-related needs of disabled individuals and to assist in the development of responsive programs.

Closing The Gap, Inc.
P.O. Box 68
Henderson, MN 56044
612/248-3294
National and regional conferences, workshops and training. Also operates a bookstore and publishes a newspaper dedicated to the latest in technology for disabled people.

DADA (Designing Aids for Disabled Adults)
1024 Dupont Street
Unit 5
Toronto, Ontario, Canada M6H 2A2
416/633-4494
Helps to train disabled adults and health care professionals in the use of new and existing technology, researches and develops low-cost technical aids, runs workshops.

P.H.I.R.S.T. LINK
(Physically Handicapped Information Resource Service on Technology)
Kitchener-Waterloo Services for the Physically Disabled
75 King Street South
Suite 7, Lower Concourse
Waterloo, Ontario, Canada N2J 1P2
519/885-6640
Provides physically disabled individuals with opportunities for hands-on computer experience and up-to-date information on computers and technical aids or devices.

Arkansas Rehabilitation Research and Training Center in Vocal Rehabilitation
Publications Department
P.O. Box 1358
Hot Springs, AR 71902
501/624-4411
Free description of research reports, reference materials, and training programs published by the Center.

TASH (The Association for the Severely Handicapped)
7010 Roosevelt Way N.E.
Seattle, WA 98115
206/523-8446

NASDSE (National Association of State Directors of Special Education)
2021 K Street NW
Suite 315
Washington, DC 20006
202/296-1800

Special Education Software Center
Building B, Room S312
333 Ravenswood Avenue
Menlo Park CA 94025
800/327-5892 (software information)
800/223-2711 (technical assistance)
800/435-7639 (TTY)
Sponsored by the U.S. Department of Education, Special Education Programs, Division of Educational Services

LINC Resources, Inc.
3857 N. High Street
Columbus, OH 43214
614/263-5462
A market linkage special education project, LINK receives Office of Special Education Program products, evaluates them for commercial and not-for-profit distribution potential, and assists developers in marketing. Examples: "We Are One," a video to increase sensitivity between physically handicapped and nonhandicapped persons; "Education, Career Development and the Physically Disabled;" "It Takes All Parts," a manual of activities for severely disabled and sensory impaired preschoolers; "Optacon Instruction Manual For Children;" "Yes, You Can! The Severely Communicatively Impaired Child in the Classroom," including 14 videotapes and manual.

Educational Resources Information Center (ERIC)
Ted Brandhorst, Director
National Institute of Education
Office of Educational Research and Improvement
555 New Jersey Avenue, NW
Washington, DC 20208-1235
202/357-6289 (management)
Education; collects and disseminates educational documents to teachers, administrators, researchers, students and other interested persons. Consists of 16 clearinghouses located across the country, each specializing in a particular subject area related to education.

NARIC – National Rehabilitation Information Center
8455 Colesville Road
Suite 935
Silver Spring, MD 20910
(301) 588-9284
800/34-NARIC
NARIC is a rehabilitation information service research library funded by the National Institute of Disability and Rehabilitation Research, U.S. Department of Education, to provide access to NIDRR and RSA (Rehabilitation Services Administration) funded reports and information on assistive devices, and to disseminate other rehabilitation related information resources.

Project Threshold
Rancho Los Amigos Hospital
7601 East Imperial Highway
500 HUT
Downey CA 90242
213/940-8116
Provides assessments & evaluations for the physically disabled, including disabilities resulting from spinal cord injuries.

Assistive Device Information Network
Division of Developmental Disabilities
University Hospital School
Iowa City IA 52242
319/356-0768

Indiana Department of Education
Instructional Materials Center/Handicapped
Special Education
229 State House
Indianapolis IN 46204
317/269-9441
Maintains an up-to-date listing of adaptive devices and service providers in Indiana.

Missouri LINC
Assistive Devices Service
609 Maryland
Columbia MO 65211
800/392-0533 (in Missouri)
314/882-2733
Provides information, technical assistance, inservice, and materials pertaining to vocational education for individuals experiencing handicaps. The Assistive Device Service provides information on adaptive equipment (computer access, switching devices, communication aids, low-cost adaptations) for persons with handicaps in Missouri.

PAM – Physically Impaired Association
Assistance Center
601 W. Maple
Lansing MI 48906
800/426-7426 (in Michigan)
517/371-5897
Provides information and technical assistance to disabled individuals and service providers in the selection, development or adaptation of devices.

Center for Special Education Technology
Council for Exceptional Children (CEC)
1920 Association Drive
Reston VA 22091
703/620-3660
800/345-TECH
Special education group gathers and publishes information on handicapped children.

Division for Disorders of Development and Learning
University of North Carolina at Chapel Hill
Biological Sciences Research Center 220 H
Chapel Hill NC 27514
919/966-5171 (clinic)
National diagnostic & treatment center. Provides evaluations in many areas, including augmentative communication.

Exceptional Technology
9220 SW 52 Terrace
Miami FL 33165
305/274-3501

MECC
(Minnesota Educational Computing Corporation)
3490 Lexington Avenue North
St. Paul, MN 55126
612/481-3500

Project Learning Programs, Inc.
P.O. Box 2002
Chico CA 95927
916/893-4223

TAM
(Technology and Media for Exceptional Individuals)
Institute for the Study of Exceptional Children
Department of Special Education
University of Maryland
College Park MD 20742

DCCG Resource Center
(Disabled Children Computer Group)
2095 Rose St.
Berkeley, CA 94709
415/841-DCCG
Offers to loan adaptive software and hardware. Also has adaptive equipment on display with demos available for families and teachers. Services also include a toy lending library, for adaptive toys.

RESNA (Assocation for the Advancement of Rehabilitation Technology)
Suite 700
1101 Connecticut Avenue, NW
Washington, D.C. 20036
202/857-1199
This organization is concerned with the exploitation of science and technology in rehabilitation. Its membership includes rehablilitation professionals, providers, and consumers. Some of RESNA's goals are to promote interaction between the above groups, improve the quality of life for disabled people through the application of science and technology, and to influence policy relating to the delivery of technology to disabled people.

International Society for Augmentative and Alternative Communication (ISAAC)
P.O. Box 1762
Station R
Toronto, ON M4G 4A3
CANADA
This association's purpose is to advance augmentative and alternative communication, exchange information, and focus attention on work that is currently being conducted in the field.

Project ACT
27 Horrabin Hall
Western Illinois University
Macomb IL 61455
309/298-1072
ACT trains special education teachers in computer applications.

National Information Center for Handicapped Children and Youth
P.O. Box 1492
Washington DC 20013
703/522-3332
Prepares News Digest, Transition Summary, and fact sheets. Responds to information requests and provides names of local resources.

Computer Foundation for Handicapped Children
2645 East Southern A326
Tempe, AZ 85282
602/831-3519
Organization to provide computer programs and computers to needy handicapped children and adults whose ability to communicate is either nonexistent or severely limited.

Trace Research and Development Center on Communication, Control, and Computer Access for Handicapped Individuals
1500 Highland Avenue
S-151 Waisman Center
Madison WI 53705
608/262-6966
608/263-5408 (Information Resources)
The Trace Center is a federally funded, non-profit organization which conducts research into the ways technology can help people with disabilities, particularly in the areas of communication, control and computer access. Services include up-to-date product listings in many areas of adaptive equipment, and dissemination of information on products and service providers. Free listing of research reports and reference materials published by the center: ask for "Information Available" Brochure.

CITH
(Center for Innovation in Teaching the Handicapped)
Indiana University
2805 East 10th Street
Room 150
Bloomington IL 47405
812/335-5847
A research and information center for new teaching materials in special education.

Sector Project
Special Education Communication Technology On-Line Resource
U.M.C. 68
Utah State University
Logan, UT 84322
801/753-7973
801/750-2087
A computerized listing of special education resources and reviews of Computer Assisted Instruction materials. The Sector project has been discontinued, but will continue to distribute information on resources available to the physically handicapped.

Compute Able Network
Kevin Mills, Dennis Kviz
P.O. Box 1706
Portland OR 97207
503/644-2940
This organization provides information, training, problem-solving sessions, individual consultations, field testing, market research, conferences, and vendor training.

Trace Center

Trace Research and Development Center
on Communication, Control & Computer Access for Handicapped Individuals
Waisman Center
University of Wisconsin-Madison

1500 Highland Avenue • Madison, Wisconsin 53705-2280 • (608) 262-6966 TDD: (608) 263-5408

Trace Quick Sheets
January, 1988

Information Resources for Blind and Visually Impaired Individuals

This list contains useful sources of information for blind and visually impaired computer users. The list is divided into four sections: Books and Publications, Newsletters and Other Periodicals, Organizations, and Companies. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

Books and Publications

Touch Toys and How to Make Them
1984
$3.00 + .60 for postage
Touch Toys
P.O. Box 2224
Rockville, MD 20852
This is an instruction book on how to make over 100 toys for the blind. Checks payable to: Touch Toy.

Computer Equipment and Aids for the Blind and Visually Impaired
Computer Center for the Visually Impaired
Baruch College
17 Lexington Avenue
Box 515
New York, NY 10010
The result of eight years' experience educating blind and visually impaired students in computer technology, the book lists hardware, software, peripherals, researchers, training, and demonstration centers, products in development, and a checklist of technical considerations and advice on how to select equipment appropriate to specific needs.

The Future of Work for Disabled People: Employment and the New Technology
$10.00 print or cassette
Publications and Information Services
American Foundation for the Blind
15 West 16th Street
New York, NY 10011
A compilation of papers presented at the May, 1985 symposium of the same name, cosponsored by AFB and the President's Committee on Employment of the Handicapped.

The Ultimate Guide: Peripherals for Blind Computer Users
$16.95 braille and cassette, $19.95 print
National Braille Press
88 Saint Stephen Street
Boston, MA 02115
Assists in selecting peripherals for blind computer users: modems, braille printers, inkprint printers, speech synthesizers, paperless braille devices, odds and ends.

The Resource Manual, 2nd Edition
Project CABLE
(Computer Access for the Blind in Education and Employment
$25.00
The Carroll Center for the Blind
Project CABLE
770 Centre Street
Newton, MA 02159
This manual includes curriculum, evaluation forms, lesson plans and resources to assist in setting up or running a program. Other topics covered include funding and staffing.

The First and Second Beginner's Guides to Personal Computers for the Blind and Visually Impaired
The National Braille Press
88 Saint Stephen Street
Boston, MA 02115
617/266-6160
The basic concepts, and reviews of popular systems by blind users. The second Guide is a continuation, not a replacement of the first.

How Can We Compute?
Kathe Nolan
$14.95
VTEK
1625 Olympic Blvd.
Santa Monica, CA 90404
800/345-2256
(CA)800/521-5605
Canada, Alaska 213/452-5966
Cassette recordings of eight half-hour radio segments on the subject of computer access & adaptive devices for blind & visually impaired people. The series is directed toward the beginning, elementary-level computer user & will cover basic principles of computer use. Moderated by Jerry Kuns, program director of C-T C (Computer Training and Evaluation Center).

Newsletters and Other Periodicals

Dialogue
Dialogue Publications
3100 Oak Park Avenue
Berwyn, IL 60402
312/749-1908
This publication, available in Braille, large print, cassette, or recorded disk carries columns that highlight computer and access technology for blind and visually impaired persons.

News & Views, RE NEWS
VTEK
1625 Olympic Blvd.
Santa Monica, CA 90404
213/452-5966

Journal of Visual Impairment and Blindness
Circulation Manager
JVIB
15 West 16th Street
New York, NY 10011
Monthly, Sept-June; Research reviews, applications, and articles on special topics.

The Communicator
Route 4, Box 26
Hillsville, VA 24343
703/766-3869
A bimonthly newsletter designed to provide information to teachers of the visually handicapped. Emphasis is on advances in technology and how they are being used. Includes teaching hints, software reviews, user comments, and suggestions. Available in large or regular print or on tape

Tactic
Clovernook Printing House for the Blind
600 Hamilton Avenue
Cincinnati, OH 45231
(513) 522-3860
International quarterly published in braille; offers information and reviews on technology for visually impaired people.

Raised Dot Computing Newsletter
David Holladay/Caryn Navy
408 South Baldwin Street
Madison, WI 53703
608/257-9595 general
608/257-8833 technical
Monthly; explores microcomputer applications for the visually impaired.

Microcomputer News for Teachers of Blind Students
Catherine Mack
Florida School for the Bind
207 N. San Marco
St. Augustine, FL 32084
904/824-1654

Talking Book and Braille Book Review
Library of Congress
Washington, DC 20542
Contains descriptions of books newly printed in Braille and a list of Braille magazines. Talking Book Topics is published bimonthly and distributed free to blind and physically impaired individuals.

Library of Congress
National Library Service for the Blind and Physically Handicapped
1291 Taylor Street
Washington, DC 20542
202/287-9281
Bimonthly. Free to the blind.

Aids and Appliances Review
Carroll Centre for the Blind
770 Centre Street
Newton, MA 02158
617/979-6200
Quarterly; a comprehensive review of aids for the blind. Issues 9 and 10 covered voice output computer aids; Issue 11 covered braille oriented computer aids.

Softdisk Magazette
P.O. Box 30008
Shreveport, LA 71130
318/221-8718
A magazine on Apple disks; features articles and programs, most usable with the Echo II speech synthesizer.

Apple Talk
Jeff Weiss
$15.00/year
3015 South Tyler Street
Little Rock, AR 72204
A quarterly magazine, available on disk, for computer users with speech synthesizers.

Technology Update
Sensory Aids Foundation
399 Sherman Avenue, Suite 12
Palo Alto, CA 94306
415/329-0430
Bimonthly Newsletter with information regarding technology and vision impairment. Includes new product announcements, product reveiws and consumer information

D-SNUG Newsletter
The Boston Computer Society
One Center Plaza
Boston, MA 02108
Newsletter of the Disabled/Special Needs Users Group.

The Visual Field
Florida Instructional Materials Center
5002 North Lois Avenue
Tampa, FL 33614
813/876-5016
Quarterly newsletter on products, projects, conferences, etc.

AFB News
American Foundation for the Blind
15 West 16th Street
New York, NY 10011
212/620-2020
Monthly publication. Information on the field of blindness and low vision.

Journal of Visual Impairment and Blindness
American Federation for the Blind
15 West 16th Street
New York, NY 10011
212/620-2020
Monthly September-June

<u>Organizations</u>

Sherry Lowry
SPEECH Enterprises
P.O. Box 7986
Houston, TX 77270
713/461-1666
Distributes and develops large print and voice output software for other products. Special Apple Speech - Large Print Resource List is available for $10.00. Catalog of products available for $3.00 print, $5.00 disk, and $7.50 Braille.

American Printing House for the Blind
P.O. Box 6085
Louisville, KY 40206
502/895-2405
Producers of software for visually handicapped children below college level. APH also published User Manuals in Braille for Apple computers.

New England Institute of Sensory Science
71 Pleasant Street
Worcester, MA 01609
617/791-4303
Technology information service offering practical up-to-date information on the latest sensory aids, agencies, organizations and vendors who are of service to those with major hearing or vision loss.

American Council of the Blind
1010 Vermont Avenue NW
Suite 1100
Washington, D.C. 20005
202/393-3666
Free computer resource list about various devices and where to buy them. Fifteen mail-order houses from which to purchase special-needs equipment.

American Foundation for the Blind15 West 16th Street
New York, NY 10011
212/620-2000
Two free catalogs including books, periodicals and public information material on educational policy, social and research aspects of blindness and visual impairment.

Associated Services for the Blind
919 Walnut Street
Philadelphia, PA 19107
215/627-0600
*Publishes a free catalog of items available in their store Sense*Sations. The store has a full line of vision aids, electronic devices, kitchen aids and recorders. This organization also has their own radio station providing news and information to listeners.*

Texas Commission for the Blind
Criss Cole Rehabilitation Center
4800 North Lamar
Austin, TX 78756-3198
Technology training unit for blind clients and staff. This unit serves as a resource for obtaining information regarding technology for the blind.

Braille Institute
741 No. Vermont Avenue
Los Angeles, CA 90029
213/663-1111
This organization acts as a technological resource center for both visually and physically handicapped individuals.

Braille Board
Nick Dotson
904/432-0894
A computer bulletin board oriented toward blind computer users.

Home Study Computer Literacy Course
Hadley School for the Blind
700 Elm Street
Winnetka, IL 60093
800/323-4238
(In Illinois, 312/446-8111)

C-TEC (Computer Training and Evaluation Center)
Sensory Aids Foundation
399 Sherman Avenue, Suite 12
Palo Alto, CA 94306
415/329-0430
Teaches blind and visually impaired persons to use computer access devices. Provides a center for equipment, resource lists, purchasing guidelines and evaluations of specialized hardware and software.

National Association of Blind and Visually Impaired Computer Users
P.O. Box 1352
Roseville, CA 95661-1352
916/786-3923 (modem)
916/783-0364 (voice)
A nonprofit, charitable corporation with the purpose of gathering and sharing useful information for blind and visually impaired computer users, and providing a mechanism for ongoing exchange of data between manufacturers, self-help groups, interested parties, and the blind community. Also has developed the International Blind Users Group, linking blind users from all over the world, into one users group. Runs CompuHelp database and bulletin board. (See Networks, Bulletin Boards and Databases.)

National Technology Center
John DeWitt, Evaluation Coordinator
American Foundation for the Blind
15 West 16th Street
New York, NY 10011
212/620-2051
Evaluates products; user network; database information. A resource for blind and visually impaired persons and involved professionals.

The Carroll Center for the Blind
770 Center Street
Newton, MA 02158
617/969-6200
Various publications; computer training (Project Cable) and other educational programs.

Computer Users of America
Duane Fischer
5028 Merit Drive
Flint, MI 48506
313/736-3774

4 Sights Network
National Information System for the Visually Impaired
16625 Grand River
Detroit, MI 48227
313/272-3900

Audio-Tech Laboratories
Larry Skutchan
P.O. Box 6959
Louisville, KY 40206
502/896-1288
General computer magazine for blind computer users.

Blind Apple Users Group
Helen Keller National Center
111 Middleneck Road
Sands Point, NY 11050
516/944-8900

Harvey Lauer
Blind Rehabilitation Technology Specialist
Blind Center
124 Veterans Hospital
Hines, IL 60141
312/343-7959
Information on various types of computer aids and their application.

Low Vision Services & Aids for the 80's
American Foundation for the Blind
15 West 16th Street
New York, NY 10011

Information on Blind Access
National Association for the Visually Handicapped
22 West 21st Street
New York, NY 10010
212/889-3141
Also a San Francisco office at 3201 Balboa Blvd. San Francisco, CA 94121.

National Braille Press, Inc.
88 S. Stephen Street
Boston, MA 02115
617/266-6160
Beginner's guide to personal computers, many printer and modem manuals transcribed in Braille.

National Federation for the Blind
Committee on Evaluation of Technology
1800 Johnston Street
Baltimore, MD 21230
301/659-9314
Evaluates current & proposed technology for the blind.

Sensory Aids Foundation
399 Sherman Avenue Suite 12
Palo Alto, CA 94302
415/329-0430
Compiles and publishes consumer information on technology, including computer adaptations, for blind and visually impaired people.

Smith-Kettlewell Eye Research Foundation
Rehabilitation Engineering Center
2232 Webster Street
San Francisco, CA 94115
415/561-1619
Research and development center whose products are not necessarily computer related; however, they have done some work on the development of computer-based toys, and computer access devices.

Volunteer Braillists, Inc.
201 S. Gammon
Madison, WI 53717
608/833-1999
Will transcribe papers, books, etc. into Braille.

Trace Center

Trace Research and Development Center
on Communication, Control & Computer Access for Handicapped Individuals
Waisman Center
University of Wisconsin-Madison

1500 Highland Avenue • Madison, Wisconsin 53705-2280 • (608) 262-6966 TDD: (608) 263-5408

Trace Quick Sheets
January, 1988

Computer Assessment and Training Programs for Disabled Individuals

This list contains information on programs and organizations that provide computer-oriented assessment and training for disabled persons, either children or adults, or that assess a person's computer-related skills and recommend adaptations. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

Cerebral Palsy Foundation of South Arizona
4710 E. 29th DAC W.
Tucson, Arizona 85711
602/747-8609
Involves basic remediation and rehabilitation, vocational counselling and research on the use of technology with individuals with severe and profound handicaps.

Florida Diagnostic Learning Resources Services (FDLRS)
9220 SW 52 Terrace
Miami, FL 33165
305/274-3501
Offers diagnostics for computer compatibility for disabled people, inservice training, computer information resources, as well as software and hardware evaluation.

Du Page Easter Seal Treatment Center, Inc.
830 S. Addison
Villa Park, IL 60181
312/620-4433
The center specializes in the use of personal computers in therapy.

Adaptive Computer Technology Center
Kennedy Memorial Hospital
30 Warren Street
Brighton, MA 02135
617/254-3800
Utilizes and provides instruction in the use of computer-based technology to enhance learning, leisure, communication, prevocational skill development, independent living, and environmental control.

John A. Coleman School
New York Foundling Hospital
M. Michelle Hill
Educational Therapist
1175 Third Avenue
New York, NY 10032
212/472-3322, ext. 629
The school uses computers daily with multiply handicapped children (ages 1-10) to achieve a variety of basic educational goals.

Sister Kenny Institute
800 E. 28th Street at Chicago Avenue
Minneapolis, MN 55407
612/874-4175
This organization uses computer programs to provide language and cognitive therapy to adults with neurologic injuries.

Living Systems/ITD
2160 S. Lamar
Oxford, Mississipi 38655
601/234-0158
Has a microcomputer laboratory equipped to evaluate and to develop hardware and software which will provide capability to disabled individuals.

Rehabilitation Institute of Ohio
Miami Valley Hospital
One Wyoming Street
Dayton, OH 45409
513/220-2063
The Institute uses computers to help brain injured individuals make maximum use of their abilities. Focus is on cognitive and linguistic retraining using microcomputers as therapeutic tools.

Yankton Area Adjustment Training Center
909 W. 23rd Street
Yankton, SD 57078
605/665-2518
Provides computer-assisted learning on the Apple IIe for area special education students. Focus includes job skills, job readiness skills, math skills, time and money skills, pedestrian safety, and motivation.

Technical Resource Center
525 11th Ave. SW Suite 100
Calgary, Alberta, Canada T2R OC9
403/262-9445
Provides information and one-month loan of devices in the areas of adaptive toys, communication aids, daily living aids, inventory control and microcomputers. It offers assessment and consultation.

Sunny Hill Hospital for Children
3644 Slocan Street
Vancouver, British Columbia V5M 3E8
604/434-1331
Offers assessment and training of physically disabled children for access to microcomputers for education, recreation, and communication.

Valpar International Corporation
Box 5767
Tucson, AZ 85703
602/293-1510
Develops assessment equipment used by professionals for working with people with various disabilities. Offers vocational assessment using microcomputers.

Resources for Living Independently Center
4721 Pine Street
Philadelphia, PA 19143-1809
215/471-2265, 2266
215/471-2267 (TDD)
Provides computer training to disabled consumers as one of its services.

Veterans Administration Information Technology Center (ITC)
Veterans Administration Central Office
810 Vermont Avenue
Room 237
Washington, D.C. 20420
202/233-5525
Provides hardware and software consultations, assistance with interfacing adaptive devices to microcomputers, equipment evaluations, and exhibitions of new technologies.

Pearson Society for Assessment and Computer Training
700 West 57th Avenue
Vancouver, BC CANADA V6P 1S1
604/321-3231
Three main objectives: provide assessment of aptitude and compatibility with computers, provide intensive training on the IBM-PC, and teach job search skills and provide employment assistance.

Orange County Department of Education
200 Kalmus Drive
Costa Mesa, CA 92626
714/966-4140
The Educational Technology/Special Schools' goal is to provide opportunities for students to learn how to become more independent in their present and future environments.

Disabled Children's Computer Group
2095 Rose Street
1st Floor East
Berkeley, CA 94709
415/841-DCCG (841-3224)
Assitance, information, and equipment loan.

Los Angeles Unified School District
15530 Hesby
Encino, CA 91436
818/997-2330
Provides microcomputer training to special education students. Computers are adapted to meet individual special needs. Emphasis is on vocational, recreational, and/or independent living skills.

Disabled Programmers, Inc.
6840 Via Del Oro
San Jose, CA 95119
408/629-3700
DPI is an organization that trains disabled individuals to become computer programmers. DPI's Micro Applications Development Lab develops and designs adaptive devices.

Electronic University
TeleLearning Systems, Inc.
1150 Sanson Street
San Francisco, CA 94111
415/928-2800
Offers home courses (including tutoring) on personal improvement, business and professional skills, and credit/degree programs via computers. Provides counseling, an electronic library and a seminar series.

BIPED Corporation (Business Information Processing Education for the Disabled)
26 Palmer's Hill Road
Stanford, CT 06902
203/324-3935
Teaches computer programming to physically disabled individuals at two different locations (Stanford, CT, and White Plains, NY). Courses available tuition free to disabled individuals.

LIFT, Inc.
350 Pfingsten
Suite 103
Northbrook, IL 60062
312/564-9005
Offers help and training in hiring handicapped individuals as computer programmers.

Project CABLE
Carroll Center for the Blind
770 Centre Street
Newton, MA 02158-2597
617/969-6200
Provides computer assessment, computer training (on adaptive devices), and software, professional training, resources (on devices), and word processing for visually impaired high school students.

Association of Rehabilitation Programs in Data Processing
P.O. Box 2404
Gaithersburg, MD 20879
301/468-6142
Organization offering nationwide data processing training to disabled people.

Maryland Rehabilitation Center
2301 Argonne Drive
Baltimore, MD 21218
301/554-3000
Provides evaluation of computer applications best suited for enhancing a disabled person's vocation. Acts as a diagnostic resource center in setting disabled students' vocational goals.

Project Enhance
Minneapolis Public Schools
Community Education
1006 W. Lake Street
Minneapolis, MN 55408
612/348-6799
Offers beginning computer programming and word processing classes for physically disabled adults as well as beginning computer classes for mentally retarded adults to reinforce academic skills and independent living skills.

Handicapped Access Center
Duluth Public Library
520 W. Superior Street
Duluth, MN 55802
218/723-3809
Trains disabled persons in the use of the Apple IIe. Applications include word processing, data base, AppleSoft Basic, Logo, etc. Product information on software, hardware, and adaptations is available.

L.D. College Writers Project
University of Minnesota
216 Pillsbury Drive SE
Minneapolis, MN 55455
612/625-8384
Training and practice in word processing is provided to college-level learning disabled writers. A set of working papers on compiled research is distributed by mail at cost.

Federation of the Handicapped, Inc.
211 W. 14th Street
New York, NY 10011
212/242-9050
The Federation trains disabled individuals in word processing and general education.

STORER Computer Access Center
Cleveland Society for the Blind
1909 E. 101st Street
Cleveland, OH 44106
216/791-8118
Offers orientation, evaluation, training, engineering support and system rental to blind or visually impaired individuals. Goals are to expand access to educational and vocational opportunities through computer/print technology.

Compute Able Network
P.O. Box 1706
Portland, OR 97207
503/644-2940
Assists individuals with various disabilities to adapt and utilize the rapid advances in computer technology.

Colorado Easter Seal Society
Computer Resource Center
5755 West Alameda
Lakewood, CO 80226
303/233-1666
Services offered include training in available adaptive equipment, training on the use of specific adaptive equipment, loan of equipment, and consulting.

Variety Club
Warwick Hotel
17th and Locust Streets
Philadelphia, PA 19103
215/735-0803
This organization offers vocational and rehabilitation training on the use of microcomputers.

Texas State Technical Institute
Drafting and Design
TSTI Waco
3801 Campus Drive
Waco, TX 76705
817/799-3611, ext. 3200
TSTI offers a course in Computer Aided Drafting for physically handicapped students. The objective is to help students prepare for careers in drafting and industrial design.

C-CAD (Center for Computer Assistance to the Disabled)
P.O. Box 19129
Arlington, TX 76019
817/273-3964
This is an organization that provides computer training and job placement for disabled persons.

Computers to Help People, Inc.
1221 W. Johnson Street
Madison, WI 53715
608/257-5917
Provides disabled people with vocational training in computer operation. Also sells software designed for physically disabled people.

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Trace Quick Sheets
January, 1988

Information Resources for Deaf and Hearing Impaired Individuals

The following list contains information resources for people who are deaf or hearing impaired: books and printed materials, organizations, newsletters and periodicals, and companies. Check other lists in Appendix A for further information. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

Books and Other Printed Materials

A Catalog of Captioned Educational Videotapes
National Technical Institute for the Deaf (NTID)
Rochester Institute of Technology
Division of Public Affairs, Department V
One Lomb Memorial Drive
P.O. Box 9887
Rochester, NY 14623-0887
716/475-6400

Computer Terminology Volumes 1-3
National Association of the Deaf
814 Thayer Avenue
Silver Spring, MD 20910
Three video tapes on computer terminology. More than 600 signs are contained on the tapes.

Signs for Computer Terminology manual
National Association of the Deaf
814 Thayer Avenue
Silver Spring, MD 20910

College and Career Programs for Deaf Students
$5.00 (1 to 4 copies)
Gallaudet College
Center for Assessment and Demographic Studies
Kendall Green
Washington, DC 20002
202/651-5400
A guide to evaluating college programs, and information on more than 130 programs, including available support services.

Organizations

National Association of the Deaf
814 Thayer Ave.
Silver Spring, MD 20910
301/587-1788 (voice and TDD)

National Technical Institute for the Deaf (NITD)
Rochester Institute of Technology
Division of Public Affairs, Department V
One Lomb Memorial Drive
P.O. Box 9887
Rochester, NY 14623-0887
716/475-6400
The world's largest technical college for deaf students, offering the opportunity for deaf students to go to college in a hearing environment to facilitate transition to a hearing society (15,000 hearing students; 1,250 college-age deaf students). Funded by the U.S. Department of Education.

Learning Resources Center
Model Secondary School for the Deaf
800 Florida Avenue NE
Washington, DC 20002
202/651-5333
Serves as an evaluation information clearinghouse and lending library of microcomputer software. Services available to schools and programs involved with the education of hearing impaired students.

Alexander Graham Bell Association for the Deaf
3417 Volta Place NW
Washington, DC 20007
202/337-5220
National organization offering support services to deaf individuals.

National Information Center on Deafness
Gallaudet College
800 Florida Avenue
Washington, DC 20002
202/651-5109
Provides either direct information or appropriate references to deaf or hearing impaired individuals. The center also publishes brief bibliographies and narrative fact sheets on requested topics free of charge.

Newsletters and Other Periodicals

The Voice
11931 N. Central Express Way
Suite 11
Dallas, TX 75243
214/490-0860 (voice or TDD)
National bimonthly publication. Information for hearing impaired people on adaptive devices and computer access equipment selection.

Metro-Voice
11931 N. Central Express Way
Suite 11
Dallas, TX 75243
214/490-0860 (voice or TDD)
Local publication for hearing impaired people.

Shhh (Self-Help for Hard of Hearing People)
7800 Wisconsin Avenue
Bethesda, MD 20814
301/657-2248 (voice)
301/657-2249 (TTY)
Bimonthly. A journal about hearing loss. Including educational reports and case studies.

American Annals of the Deaf
800 Florida Avenue NE
Washington, DC 20002
202/651-5342
Journal for professionals working with deaf and hearing impaired individuals.

Hearing Instruments
131 West First Street
Duluth, MN 55802
Monthly business publication containing information on research and products designed to assist persons with hearing loss.

Newsounds
Alexander Graham Bell Association for the Deaf
3417 Volta Place NW
Washington, DC 20007
202/337-5220
Newsounds is a newsletter for deaf and hearing impaired individuals that is published alternately with the Volta Review (see below). It contains information on conferences concerning microcomputers.

Volta Review
Alexander Graham Bell Association for the Deaf
3417 Volta Place NW
Washington, DC 20007
202/337-5220
This journal for hearing impaired people reports on a variety of technology-related topics and issues.

Companies

American Communications Corporation
180 Roberts Street
East Hartford, CT 06108
203/289-3491
Manufacturer of TDD's (Telecommunication Devices for the Deaf) and signalling devices for deaf and hearing impaired people.

Audio Tone Company
2422 West Holly
Phoenix AZ 85009
(602) 254-5888
Manufacturers a TDD that responds to touch tone signals from caller.

Garid
10180 Viking Drive
Eden Prairie, MN 55344
612/941-5464
800/328-4827, ext. 1400
Medical products distributor; manufactures voice output TDD.

The Deaf Factory Store
5010 Branchville Road
College Park, MD 20740
301/821-9137
301/722-2493 TDD
Products include computer and TDD software.

Integrated Microcomputer Systems, Inc.
#2 Research Place
Rockville MD 20850
(301) 948-4790, TDD (301) 869-6391
Manufacturers hardware and software for TDD communication via IBM-PC computer.

Krown Research, Inc.
10371 W. Jefferson Boulevard
Culver City, CA 90232
213/641-4306 (Voice/TDD)
Manufacturer of TDD's and a TDD computer modem.

Palmetto Technologies
P.O. Box 498
Duncan, SC 29334
803/576-2886 (Voice or TDD)
Manufacturer of assistive devices for the hearing impaired, including a model of TDD.

Phone Care
881 Stoneman Way
El Dorado Hills CA 95630
(916) 933-0446
Distributor of TDD's and manufacturer of a TDD computer modem.

Precision Controls, Inc.
P.O. Box 45
Haskell NJ 07465
(201) 835-5000
Manufacturer of TDD's and signalling devices.

Specialized Systems, Inc.
6350 Varrow Drive
Suite B
Carlsbad, CA 92009
619/438-880
Manufacturer of TDD's.

Telesensory Systems, Inc.
455 North Bernardo Avenue
P.O. Box 7455
Mountain View CA 94039
(415) 960-0920
Makes a TDD for deaf-blind individuals.

Ultratec, Inc.
6442 Normandy Lane
Madison, WI 53719
608/273-0707
Manufacturer of TDD's.

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Trace Quick Sheets
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Head Pointers, Light Pointers, and Mouthsticks

Below is a list of pointing devices, the manufacturers who make them, and their prices as of August, 1986, with a brief physical description of each device. No endorsements are intended, and the accuracy of the prices is not guaranteed. Please contact the manufacturer before placing any order.

Manufacturer	Product	Physical Description	Cost
Adaptive Communication Systems, Inc. 994 Broadhead Road Suite 202 Coraopolis, PA 15108 (412) 264-2288	Light Pointer	Attaches to head or other part of body with a strap, projects a red dot of light. Designed as input device for the PhotoPAC electronic communication aid; can also be used by itself as a lightbeam head pointer.	$295.00
Cleo, Inc. 3957 Mayfield Road Cleveland, OH 44121 (216) 382-9700	Adjustable Head Pointer	Bendable foam-lined aluminum frame. Adjustable-length pointer projects from top of head.	$23.50
Crestwood Company P.O. Box 04606 Milwaukee, WI 53204 (414) 461-9876	Talking Beam	Light bulb is located at the end of a 10" flexible rod that projects from the top of the head.	$39.95
Extensions for Independence 757 Emory Street Suite 514 Imperial Beach (619) 426-8054	Heyer-Abadie Modular Mouthstick	Mouthstick with V-shaped mouthpiece gripped with the molars. Various rod lengths and optional tips available.	$87.50 and up
Fred Sammons, Inc. Box 32 Brookfield, IL (800) 323-7305	Adjustable Head Pointer	Adjustable aluminum frame with elastic straps. Adjustable-length pointing rod projects from the top of the head.	$18.95
	Clear-View Head Pointer	Pointing rod projects out and down at jaw level. Frame is adjustable.	$79.95

	Mouthsticks	Available in 10" - 20" lengths. V-shaped mouthpiece. Various optional tips.	$27.00 - $70.00
Maddak, Inc. Pequannok, NJ 07440 (201) 694-0500 Ask about local distributor	Adjustable Head Pointer	Plastic frame is adjustable for head size. Pointing rod projects from top of head; offers adjustable length and angle.	$36.75
	Mouth Held Page Turners	Plastic rods with heart-shaped mouthpieces. Tips are designed for gripping pages. Three widths available.	$6.00 - $6.45
Prentke Romich Company 1022 Heyl Road Wooster, OH 44691 (216) 262-1984	Viewpoint Optical Indicator 6	Small lightbeam projector mounts on user's head with a band. Spot of light is 0.6" diam. at 2 feet. Angle of pointer is adjustable.	$299.00
Zygo Industries, Inc. P.O. Box 1008 Portland, OR 97207 (503) 297-1724	AD-1 Standard Pointer	Pointer projects out from the chin; frame adjustable to head sizes from 20 to 25 inches. A "Tiny Tot" model is also available.	$115.00-$160.00

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Keyguards

Keyguards are plastic or metal plates that fit over the keyboard and have a hole over each of the keys. Keyguards help prevent accidental keystrokes. They also provide the user a place to rest the hands for stability while typing. Some keyguards are provided with key latches: levers that can be used to hold down keys such as SHIFT and CONTROL, eliminating the need to press two keys at once.

Listed below are some manufacturers who make keyguards, the computers or other devices for which they make them, and the prices as of August, 1986. Some manufacturers will make custom keyguards for other types of computer keyboards. No endorsements are intended, and the accuracy of the prices is not guaranteed. Please contact the manufacturer for more information before placing any order.

Manufacturer	Models of Keyguard	Cost
Adaptive Communication Systems, Inc. 994 Broadhead Road Suite 202 Coraopolis, PA 15108 (412) 264-2288	Epson HX-20 computer and ACS communication aids.	$95.00
Adaptive Technology, Inc. 5334 72nd Circle North Brooklyn Center, MN 55429 (612) 560-0861	Apple II family, Apple Macintosh, IBM-PC and PCjr	$15.00 - $25.00
AT & T 2001 Route 46 Parsippany, NJ 07054 (800) 233-1222	Standard Touch-Tone Phone	No charge
ComputAbility Corporation 101 Route 46 East Pine Brook, NJ 07058 (201) 882-0171	Apple IIc and IIe	$79.95
COPH-2 2020 Irving Park Road Chicago, IL 60618 (312) 866-8195	Apple IIe and II+, TRS-80 models 1 and 3	$30.00

Developmental Equipment 981 Winetka Terrace Lake Zurich, IL 60047 (312) 438-3476	Apple II family, Commodore 64 and VIC-20, IBM-PCjr	$89.50
Prentke Romich Company 1022 Heyl Road Wooster, OH 44691 (216) 262-1984	Apple II family, Apple Macintosh, Commodore 64, IBM-PC, Franklin, Atari,Texas Instruments TI 99/4A, custom keyguards available	$85.00 - $100.00 (custom extra)
TASH, Inc. 70 Gibson Drive Unit 12 Markham, ON L3R 4C2 CANADA (416) 475-2212	Apple II family, Commodore 64 and VIC-20, IBM-PC	$44.00 - $174.50
Words+, Inc. 1125 Stewart Court Suite D Sunnyvale, CA 94086	Apple IIc and IIe, Epson HX-20, Grid, custom keyguards available	$50.00 - $75.00 (custom extra)
Zygo Industries, Inc. P.O. Box 1008 Portland, OR 97207 (503) 297-1724	Sharp Memowriter	$100.00

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Keyboard Modification Programs

All of the software listed below has certain features that modify the normal operation of the standard computer keyboard, in order to facilitate typing on the keyboard while running standard computer programs. These features fall into four categories:

1) Single-Finger Operation: Keyboard modifications that eliminate the need to press more than one key at a time. The typical single-finger program converts the action of keys such as SHIFT to latching*; that is the key will be engaged by pressing it once, and then disengaged by pressing it again. In some cases the SHIFT key will hold only for the next keypress, after which it automatically releases.*
2) Auto-Repeat Defeat: Most standard keyboards have a feature which causes a key to repeat after it is held down for a certain length of time. This class of program disables or modifies that feature. This capability would be useful to any user who tends to trigger the auto-repeat unintentionally.
3) Abbreviation Expansion: Allows the user to create short sets of characters (the abbreviation) which will trigger longer sets of characters (the expansion). (These abbreviation-expansion combinations are sometimes known as "macros.") Some programs offer automatic expansion of abbreviations (they expand as soon as they are typed), and others require that a special key be pressed to expand the abbreviation. Abbreviation expansion would be useful to anyone who needs to speed up their typing rate on the computer. Contact the manufacturer of the program to make sure that abbreviations do not require two keys to be held down at the same time ("chordic" abbreviations), if this is an important consideration for you.
4) Keyboard Redefinition: Provides the ability to redefine the position of some or all of the keys on the keyboard. This type of modification would be useful to anyone who needs an alternate keyboard layout.

Besides cost and computer compatibility, some major considerations in selecting one of these programs are: (1) Does the program best provide for the user's need? (2) What other features are offered and are they desirable? (Some of the programs listed have features in addition to the ones enumerated above.) (3) How compatible is the program with the software that the user will be running? (Some of the programs may not be fully "transparent.") Inclusion on this list does not constitute an endorsement, and the accuracy of the prices is not guaranteed. Always contact the manufacturer for more information about the product before placing any order.

Manufacturer	Product	Computer	Description	Cost
Adaptive Peripherals 4529 Bagley Avenue North Seattle, WA 98103 (206) 633-2610	Adaptive Firmware Card	Apple II+, IIe	An internal circuit card that fits in an expansion slot in the Apple. The AFC offers the capability of using up to 16 special input methods. Two of its features are single-finger operation and auto-repeat defeat.	$400.00

Affinity Microsystems, LTD 1050 Walnut Street Suite 425 Boulder, CO 80302 (303) 442-4840	Tempo	Apple Macintosh	Abbreviation expansion. Macros can include mouse movements as well as keystrokes	Contact manufacturer
Alpha Software 30 B Street Burlington, MA 01803 (617) 229-2924	Keyworks	IBM-PC	Abbreviation expansion capability. Abbreviation list can be edited on-screen while running another program.	$89.95
Beagle Bros., Inc. 3990 Old Town Avenue Suite 102C San Diego, CA 92110 (619) 296-6400	MacroWorks	Apple II family	Allows abbreviation expansion to be used in AppleWorks programs. Built in macros plus ability to create custom. Three other AppleWorks utilities included.	$34.95
Borland International 4585 Scotts Valley Drive Scotts Valley, CA 95066 (408) 438-8400	SuperKey	IBM-PC	Abbreviation expansion plus other utilities. Help screens can be made for each group of macros.	$69.95
Brown & Co., Inc. P.O. Box 2443 South Hamilton, MA 01982 (617) 468-7464	PC-Pedal	IBM-PC	Allows a pedal, or any single switch, to be used in lieu of the SHIFT, ALT, or CONTROL keys. The "enhanced" version allows the pedal or switch to subtitute for any desired key.	$79.95
Computers to Help People, Inc. 1221 West Johnson Street Madison, WI 53715 (608) 257-5917, 257-1270 (TDD)	CHPI Apple Tool Kit	Apple II family	A braille-output program designed to allow single-finger operation as well. Also provides morse code output.	$15.00
Covington Group 4519 Perry Avenue North Minneapolis, MN 55422 (612) 537-4910	Keyer	Tandy 100 and 200, NEC 8201A (on cassette)	Allows any desired amount of keyboard redefinition: any key can be "moved" to any desired location.	$19.95
Designing Aids for Disabled Adults 1024 Dupont Street Toronto, ON M6H 2A2 CANADA (416) 533-4494	PC Assisted Keyboard	IBM-PC	Allows single-finger operation of SHIFT, ALT, and CONTROL keys, plus keyboard redefinition.	$40.00

Designing Aids for Disabled Adults (cont'd)	PC AID and PC Serial AID	IBM-PC	Adaptive devices for the IBM-PC that allow a number of special input methods: single switch scanning, morse code, etc. Special input capabilities include assisted keyboard function with standard keyboard.	$150.00-$200.00
Dvorak International 11 Pearl Street Brandon, VT 05733 (802) 247-6020	Dvorak Keyboard Modification Programs	Apple II, Apple Macintosh, Commodore 64, IBM-PC	A number of programs for redefining the computer keyboard to the Dvorak two-handed and one-handed layouts. Dvorak International also maintains lists of keyboard redefinition programs by other manufacturers.	Various
EnterSet, Inc. 410 Townsend Street San Fransisco, CA 94107 (415) 543-7644	QuickWord	Apple Macintosh	Abbreviation expansion, allowing creation and editing of custom abbreviation tables while running another program.	$59.00
Kinetic Designs, Inc. 4113C Bridgeport Way Tacoma, WA 98466 (206) 565-6727	Filch	IBM-PC	Auto-repeat defeat can be switched on and off. One-finger operation of SHIFT, ALT and CONTROL keys includes latching plus assigning a different audio tone to each of these keys.	$89.00
Life Science Associates 1 Fenimore Road Bayport, NY 11705 (516) 472-2111	Repeat Defeat	Apple IIe	A integrated circuit ("chip") socket that can be installed by the user. Disables the auto-repeat. Comes with on/off switch.	$29.95
McCuiston, Ronald S. 5795 Adelyn Road Penascola, FL 32504 (904) 476-8916	Handi-Keys	TRS-80 Model 2	Allows keyboard redefinition. A second program will provide statistical analysis of text.	$40.00
Micro Connection, Inc. P.O. Box 198 Bedford, MA 07130 (617) 274-8112	Hope	Apple II, IBM-PC	Allows single-finger operation of CONTROL, ALT and SHIFT keys on the IBM; ESCAPE and CONTROL keys on the Apple.	$59.95

Murray, Fr. Bradley (for information) 19 I Street Northwest Washington, DC 20001 (202) 842-1650	CTRL & ALT Key Adaptive Program	IBM-PC	One-finger operation for these two keys plus SHIFT. Pressing the key latches it for the next keystroke only. CONTROL-ALT-DELETE (system re-boot) can also be executed sequentially.	$10.00
RoseSoft, Inc. 4710 University Way Northeast Suite 601 Seattle, WA 98105 (206) 524-2350	ProKey	IBM-PC	Abbreviation expansion. Macro lists can be created and edited while running another program. Also includes single-finger for SHIFT and CONTROL keys.	$129.95
Software Research Technologies 2130 South Vermont Avenue Los Angeles, CA 90007 (213) 737-7663	SmartKey	IBM-PC	Abbreviation expansion. Macro lists can be created and edited while running another program. Single-finger operation of SHIFT and CONTROL keys. Keyboard redefinition capability.	$49.95- $59.95
Trace Center S-151 Waisman Center 1500 Highland Avenue Madison, WI 53705 (608) 262-6966	One Finger	IBM-PC and PCjr	One-finger operation of SHIFT, ALT and CONTROL keys. Pressing the key once latches it for the next keystroke only; twice latches it until it is released. Audio tones indicate operation.	$10.00
Washington Research Foundation Suite 322, U-District Building 1107 Northeast 45th Street Seattle, WA 98105 (206) 633-3569	Special Inputs Disk	Apple II family	Allows many special input methods, like the Adaptive Firmware Card (above). Includes option to use switches for the SHIFT and CONTROL keys.	$25.00
Xpert Software 8865 Polland Avenue San Diego, CA 92123 (619) 268-0112	XtraKey	Any using CP/M operating system	Abbreviation expansion. Each key on the keyboard can have one macro defined for it.	$25.00- $29.95
Zygo Industries, Inc. P.O. Box 1008 Portland, OR 97207 (503) 297-1724	Abbreviation/ Expansion	Apple IIe	Functions as a text editor (very simple word processor) in its own right; has abbreviation expansion capability plus single-finger operation	$75.00

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Manufacturers of Electronic Communication Aids

Below is a list of companies which manufacture stand-alone electronic communication aids: portable devices with printed and/or synthesized voice output. Some of these devices require the ability to press keys on a keyboard; others operate by scanning (sequential presentation of choices wherein the user selects with a switch), morse code input, or optical headpointing devices.

This list includes North American manufacturers only, and is intended as a reference for those who want an overview of the electronic communication aid marketplace. Inclusion on this list is not intended as an endorsement. Contact the manufacturers for more specific information on the systems they produce.

Adaptive Communication Systems, Inc.
994 Broadhead Road
Suite 202
Coraopolis, PA 15108
(412) 264-2288
[SpeechPAC/Epson]

Canon U.S.A., Inc.
One Canon Plaza
Lake Success NY 11042
(516) 488-6700
[Canon Communicator]

Commetrics, LTD
P.O. Box 278
St. Lambert PQ J4P 3N8
CANADA
(514) 672-4534
[Talking 100]

Computers for the Physically Handicapped
7602 Talbert Avenue
Suite 5
Huntington Beach, CA 92647
(714) 848-1122
[TIM System]

Crabapple Systems
118 Commercial Street
Portland ME 04101
(207) 772-8610
[Speech Pad]

Developmental Equipment
981 Winnetka Terrace
Lake Zurich IL 60047
(312) 438-3476
[Audio Scan]

ETI Corporation
1000 Long Boulevard
Suite 5
Lansing MI 48911
(517) 694-9737
[Switchboard]

Furalletech Systems, Inc.
P.O. Box 190
Liberty IA 52358
(319) 626-6101
[Flexcom]

Garid, Inc.
9313 Valley View Road
Eden Prarie MN 55344
(612) 941-5464
[Personal Communicator]

Innocomp
Innovative Computer Applications
33195 Wagon Wheel
Solon OH 44139
(216) 248-6206
[Say-It-All]

Intex Micro Systems Corporation
725 South Adams Road
Suite L8
Birmingham MI 48011
(313) 540-7601
[ICOMM]

Phonic Ear, Inc.
250 Camino Alto
Mill Valley CA 94941
(415) 383-4000
[VOIS Series]

Prentke Romich Company
1022 Heyl Road
Wooster OH 44691
(216) 262-1984
[Touch Talker, Light Talker]

Shea Products, Inc.
1042 West Hamlin Road
Rochester MI 48063
(313) 656-2281
[Special Friend]

SoftCap Company
P.O. Box 7113
Rochester MN 55903
(507) 288-6729
[Timothy System]

Sonoma State Hospital/Development Center
Communication Engineering
P.O. Box 1493
Eldridge CA 95431
(707) 938-6306
[Sonoma Voice]

TASH, Inc.
70 Gibson Drive
Unit 12
Markham ON L3R 4C2
CANADA
(416) 475-2212
[Talking 100 Communicator]

Texas Instruments, Inc.
Attention: Parts
P.O. Box 53
Lubbock TX 79408
(800) 842-2737
[Vocaid]

VTEK
1625 Olympic Boulevard
Santa Monica CA 90404
(213) 452-5966, (800) 345-2256
[Small Talk]

Wayne County Intermediate School District
Attention: Greg Turner
33500 Van Born Road
Wayne MI 48184
(313) 467-1415
[WOLF and ScanWOLF]

Words+, Inc.
1125 Stewart Court
Suite D
Sunnyvale CA 94086
(408) 730-9588
[Equalizer, Trine System]

Zygo Industries, Inc.
P.O. Box 1008
Portland OR 97207
(503) 297-1724
[ScanWRITER, Zygo Notebook]

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Networks, Bulletin Boards and Databases

This is a summary of databases and computerized networks of interest to people with disabilities and those working with them. Guides to databases are also included. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information before going on line.

On-Line Microcomputer Guide and Directory
(BRS)
On-Line, Inc.
11 Tannery Lane
Weston, CT 06883
203/227-8466
Database with listings of software, including descriptives, reviews, and producer comment. No game/entertainment software.

4 Sights Network
National Information System for the Visually Impaired
16625 Grand River
Detroit, MI 48227
313/272-3900
Teleconferencing, bulletin board, and database for blind persons and those working with them. Database information is available on rehabilitation resources, public policy, calendar of events, software descriptions and reviews, a multihandicapped blind conference, specialized training facilities, low vision, job exchange, technological aids and assistive devices, and occupational information.

KendallNET
Kendall Demonstration Elementary School
800 Florida Avenue NE
Washington, DC 20002
202/651-5035 (voice or TDD)
A computer network developed specifically for schools and programs serving hearing impaired students. Electronic bulletin boards on new hardware, solutions to technical problems, what works well with deaf students, discussions of trends. An educational software clearinghouse listing programs in use or under evaluation at KDES or other schools and programs for the deaf. Electronic mail system, computer pen pal project.

Robotics Information
(BRS)
EIC/Intelligence, Inc.
48 West 38th Street
New York, NY 10018
212/944-8500
Database with journals, books, technical reports, and conference proceedings dealing with robotics.

ARTN (Advanced Rehabilitation Technology Network)
ACS Medicom
25825 Eshelman Avenue
Lomita, CA 90717
213/325-3055
A network for rehab centers in N. America designed and managed by ACS Medicom. Intended to provide a key to more effective use of all rehab databases. Information is available on research & technical information, product information & test results, funding, legislative/legal efforts, education, employment. As well as electronic mail and data, ARTN stations will be able to run and use any program on the fileserver (e.g., Lotus 1-2-3 and DBase III Plus, etc.). 25 round one sites began using ARTN in June 1986.

CTG Solutions
Closing the Gap
P.O. Box 68
Henderson, MN 56044
612/248-3294
A database with information on computer technology for persons with disabilities. Information on hardware, software, publications, organizations, and practices/procedures is available at a cost of $10.00 per inquiry. Annual membership fee will be initiated in October, 1986. Mail or phone inquiries; operator sends a printed document.

AppleCider BBS
Greg Trobaugh
39-44, 24th Street, Apt. 3B
Long Island City, NY 11101
718/482-0088 (voice)
718/482-0089 (modem)
A bulletin board service designed to provide support to all computer users, with special emphasis on making information available to disabled persons regarding the use of the computer for productive work and rehabilitation.

CompuHelp
National Association of Blind and Visually Impaired Computer Users
P.O. Box 1352
Roseville, CA 95661-1352
916/786-3923, modem
916/783-0364, voice
A menu-driven database and bulletin board for use by blind and visually impaired computer users. Information on hardware, software, publications in braille or tape, self-help groups, blind computer user groups, etc. No charge; $10.00/year donation is requested. 24 hours per day.

Rare Disease Database
NORD
Box 8923
New Fairfield, CT 06812
203/746-6518
This is a searchable database on CompuServe, accessible with a PC and a modem. Contains health related information with resources that can be contacted for further assistance.

CompuServe
P.O. Box 20212
5000 Arlington Centre Blvd.
Columbus, OH 43220
800/818-8199
A nationwide database with bulletin boards that provide information on handicapped persons, issues, technology, and statistics, among other things.

Rural Rehabilitation Technologies Database
University of North Dakota
Medical Center, Rehabilitation Hospital
Box 8202
Grand Forks, ND 58202
701/780-2489
This organization maintains a database containing information about technological devices of interest to disabled people.

JAN (Job Accommodation Network)
West Virginia University
809 Allen Hall
P.O. Box 6122
Morgantown, WV 26506-6122
304/293-7186 (general information)
304/526-4698 (W.V. residents)
800/526-7234
A computerized catalog of solutions to accommodate functional access limitations in work environments. It was developed to promote the hiring and advancement of people with organizations.

The Disability Forum
Daveed Mandell
P.O. Box 3557
Berkeley, CA 94703
Information sharing, experience sharing. Also The Mainstream Center, Round Hill Road, Northhampton, MA 01060-2199.

ABLEDATA
A computerized listing of commercially available products for rehabilitation and independent living. The base of operations for this database is currently in transition.

Accent on Information
P.O. Box 700
Bloomington, IL 61702
309/378-2961
A computerized product database organized by categories of equipment and by disability function.

ADDS (Assistive Device Database System)
American International Data Search, Inc.
650 University Avenue
Suite 101 B
Sacramento, CA 95825
916/924-0280
A source of information on adaptive equipment programs and other resources. Requests can be made via computer, mail, or the toll free number.

AdvocNet
The National Center for Research in Vocational Education
Ohio State University
1960 Kenny Road
Columbus, OH 43210
800/848-4815
614/486-3655 (in Ohio)
A communications network for vocational educators; includes The Vocational Education Special Needs Newswire.

CONFER
Blissymbolics Communication Institute
350 Rumsey Road
Toronto, Ontario M4G 1R8
406/424-3806
A computer conferencing network that enables users to establish and participate in technology-related forums and conferences regarding individuals.

CRISP (Computer Retrieval of Information on Scientific Projects)
National Institute of Health
Westwood Building, Room 148
5333 Westbard Avenue
Bethesda, MD 20205
301/496-7543
A scientific base of information developed from recent government health research.

CUSSNet (Computer Use in Social Services Network)
Dick Schoech, School of Social Work, University of Texas at Arlington, P.O. Box 19129, Arlington, TX 76019
817/273-2011
Computerized inventory of commercially available and public domain human services software. One component specializes in info on computers and handicapped users. Classification by special interest group available. Local and national bulletin boards, downloading of public domain software, skills bank, special interest groups. Teaching materials, reports, literature concerned with the education of disabled children and adults.

DEAF-NET
Hal Huntley
SRI International
333 Ravenswood Avenue
Menlo Park, CA 94025
415/859-2236
Provides information on DEAF-NET. Not a vendor, but can answer questions regarding this computer network designed for but not limited to the hearing impaired. For information contact Hal Huntley.

EIES (Electronic Information Exchange System)
Computerized Conferencing and Communications Center
New Jersey Institute of Technology
Martin Luther King Boulevard
Newark, NJ 07102
201/596/3000
Currently investigating the use of the EIES System to allow people with disabilities, the homebound, and senior citizens to communicate among themselves and with others.

ECER, ERIC (Educational Resources Information Center)
Council for Exceptional Children
1920 Association Drive
Reston, VA 22091
703/620-3660
ECER is the ERIC database. It has educational materials (including special education), reports, bibliographic information, available via computer, microfiche, or paper copy.

NTIS (National Technical Information Service)
Department of Commerce
5285 Port Royal Road
Springfield, VA 22161-2200
703/487-4600 general information
703/487-4642 computer searches
703/487-4650 documents
A leading source for government research and reports. Data searches on topics are published and available for order.

REHABDATA
A database of rehabilitation-related literature. The base of operations for this database is currently in transition.

SpecialNet
National Association of State Directors of Special Education
2021 K Street NW, Suite 315
Washington, DC 20006
202/296-1800
This network features telephone access, electronic mail, bulletin and data collection in the area of special education.

UNET
The M.U.S.E. User's Network
Melinda Rauschert, Coordinator
Western Illinois University
Macomb IL 61455
309/298-1634
An electronic bulletin board for computer users, program developers, and educators; information on computer use in special education, forum for information and idea sharing, and access to public domain software relevant to the field. On-line 24 hours/day, 7 days/week. No membership charge.

Well-Net (CHIP - Community Health Information Project)
Dan Van Horn
Sensory Aids Foundation
399 Sherman Ave.
Suite 12
Palo Alto, CA 94306
415/329-0430
A nationwide electronic bulletin board for the disabled. No membership fee.

TECH LINE
Center for Special Education Technology
Technology Information Exchange
Council for Exceptional Children
1920 Association Drive
Reston, VA 22091
800/345-8324
One electronic bulletin board offering news about special education technology and information from other special educators. Information is primarily on how the technology is used, rather than on the products. Information and fact sheets available at no charge.

EQUAL BBS
Michael Bowen
3535 S. Wilmington Street
Office 205
Raleigh, NC 27603
919/772-7513
Offers 20 databases, generally catagorized by disability type. Focus is on hardware, software, aids and adaptations to help persons with disabilities live more independently.

HEX(TEX)
Mike Hales
Route 1
Box 30-W
San Juan, TX 78589
512/383-5860
Bulletin board, database, and electronic mail dealing with use of technology by the deaf community.

SCAN (Shared Communication and Assistance Network)
Larry Searcy, Director
8605 Cameron Street
Suite 406
Silver Spring, MD 20910
301/588-8252
Electronic mail, bulleting boards for persons with developmental disabilities.

LINC Resources, Inc.
3857 N. High Street
Columbus, OH 43214
614/263-5462
A computerized database of the software for instruction, personal assistance, administration, and testing. Free searches.

Modular Student Management System (MSMS)
256 North Washington Street
Falls Church, VA 22091
703/536-2310
A network for special educators and administrative applications. Designed to assist administrators develop and update IEP and general reports for use at the building district and state level.

C-CAD Online
Center for Computer Assistance to the Disabled
2501 Avenue J. #100
Arlington, TX 76006
Bulletin board for the elderly and handicapped.

TRAIN
Suite 101
Neshaminy Plaza II
Bensalem, PA 19020
215/639-1513
A database of testing, training resources, assessment, and workshop materials used in special education. Inservice Network for professionals in special education.

Direct Link
P.O. Box 6762
Santa Barbara, CA 93160
(805) 964-5708
Information and referral service. Links disabled people with providers of direct services. Can be contacted directly by phone (voice not modem).

HELPNET
Special Education Software Center
Building B, Room S312
333 Ravenswood Avenue
Menlo Park, CA 800/435-7639 (access) (except Alaska and Hawaii)
800/223-2711 (technical information)
800/327-5892 (software information)
On-line access to the Special Education Software Center. With a modem and telecommunications software, the center can be contacted via a toll-free number. Future plans include bulletin boards where software subroutines developed as a part of technical assistance activities are made available. No charge.

Tell 'em Ware Database
Tell 'em Ware
1714 Olson Way
Marshalltown, IA 50158
(515) 752-9667
AppleWorks database of organizations, companies and individuals offering assistance, information or products to assist school-age special needs computer users. Mostly Apple computer information, but some IBM and generic application information as well.

CompuPlay Database
National Lekotek Center
2100 Ridge Avenue
Evanston, IL 60204
(312) 328-0001
Database of software for students with special needs. Available on disk (as AppleWorks file) or on paper. Entries are reviewed by CompuPlay instructors, teachers and parents.

Sources of Additional Information

The Complete Handbook of Personal Computer Communication: Everything You Need to Know to Go Online with the World
St. Martin's Press
175 5th Avenue
New York NY 10010
212/674-5151

National Computer Bulletin Board Directory
Thomas Wnorowski
$2.00
3352 Chelsea Circle
Ann Arbor, MI 48104
Lists more than 1400 bibliographies.

Trace Center

Trace Research and Development Center
on Communication, Control & Computer Access for Handicapped Individuals
Waisman Center
University of Wisconsin-Madison

1500 Highland Avenue • Madison, Wisconsin 53705-2280 • (608) 262-6966 TDD: (608) 263-5408

Trace Quick Sheets
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Portable Battery-Operated Printers

This list contains information on portable, battery-operable printers that could be used with communication aids with RS232 output. No recommendations or endorsements are implied by inclusion on this list. Contact individual manufacturers for current price and other information.

Axonix ThinPrint 80
$279.00
Axonix Corporation
417 Wakara Way
Salt Lake City, UT 84108
800/821-7093
80 or 136 columns/line; 4 lbs; rechargeable battery and AC adaptor; serial or parallel interface; thermal printing.

Epson HS-80 LetterJet Portable Printer
Epson America, Inc.
23610 Telo Street
Torrance, CA 90505
213/534-4234
Lightweight; rechargeable battery and 6 volt adaptor to allow printing during recharging; variety of print styles and features; ink jet printing; parallel interface.

TTXpress
$129.00
ZYGO Industries, Inc.
P.O. Box 1008
Portland, OR 97207-1008
503/297-1724
Works with ZYGO notebook. Prints 40 characters per second, and up to 160 characters across an 8 1/2" page.

Laptopp On-the-Go Portable Printer
$149.95
Laptopp Systems
515 Calle San Pablo
Department 1
Camarillo, CA 93010
800/LAP-TOPP
805/482-9699 (in California)
Less than 3 lbs. (with batteries); goes 2 hours on battery power; 4 character types; thermal printing; parallel interface.

Hush-80 Printer
Ergo Systems, Inc.
303-3 Convention Way
Redwood City, CA 94063
800/222-HUSH
415/363-5966
25 oz.; 80-column; rechargeable battery option. This printer is on longer being manufactured, but may still be available from some sources.

Diconix 150
Diconix
3100 Research Boulevard
Dayton, OH 45420
(800) 342-6649

NEC PC-8221A
Contact for more information:
ZYGO Industries, Inc.
P.O. Box 1008
Portland, OR 97207
503/297-1724
Small, 40-column printer (4" x 6")

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Pointing, Typing and Communication Accessories

The following is a list of companies that manufacturer or sell products designed to aid in the process of augmentative communication or computer access. This includes pointing and typing aids plus accessories for communication systems, including laptrays and lapboards for wheelchairs. No recommendations or endorsements are implied by inclusion on this list. Contact each company for more specific and up-to-date information.

ADL Catalog
Heartland, Inc.
P.O. Box 1151
Sterling, IL 61081

Ali-Med, Inc.
Rehab-Ortho Plus
297 High Street
Dedham, MA 02026

Bruce
411 Waverly Oaks
Waltham, MA 02254

Cleo, Inc.
Cleo, Inc.
3957 Mayfield Road
Cleveland, OH 44121
(216) 382-9700

Crestwood Company
P.O. Box 04606
Milwaukee, WI 53204
(414) 461-9876

Dixson, Inc.
Health Care Products
P.O. Box 1449
Grand Junction, CO 81502

FashionAble
5 Crescent Avenue
Box S
Rocky Hill, NJ 08553
(609) 921-2563

Fred Sammons, Inc.
Box 32
Brookfield, IL 60513
(800) 323-7305

Kviz Enterprises
P.O. Box 1706
Portland, OR 97207
(503) 644-2940

Maddak, Inc.
Pequannock, NJ 07440
(201) 694-0500

North Coast Medical
450 Salmar Avenue
Campbell, CA 95008

J.A. Preston Corporation
60 Page Road
Clifton, NJ 07012
(201) 777-2700

Rifton Equipment for the Handicapped
Route 213
Rifton, NY 12471
(914) 658-3141

Thera/fin
3800 South Union Avenue
Steger, IL 60475

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Optical Character Recognition Scanners

OCR scanners allow computer users to enter printed documents into the computer without retyping. The traditional application of scanners has been to prevent rekeying documents such as insurance forms, legal materials, medical charts, or books. However they can also be useful to blind computer users, providing a way of translating print material into an electronic text file. Once the text is in electronic form, it can be read with some special device such as a speech synthesizer or an electronic braille display. Unless otherwise noted, the scanners do not actually produce voice or braille output, only transfer a printed document to a computer. Generally, the devices listed below must be connected to a personal computer to be operated. An overview of developments in OCR scanning technology can be found in the August, 1986 issue of PC World ("Scanners: Gaining Recognition"). No recommendations or endorsements are implied by inclusion on this list. Contact each company for more information.

Abaton Technology Corporation
7901 Stoneridge Drive
Suite 500
Pleasanton, CA 94566
(415) 463-8822
Scan 300 Series

Canon U.S.A., Inc.
1 Canon Plaza
Lake Success, NY 11042
516/488-6700 (systems division)
IX-12, IX-8

Compuscan, Inc.
81 Two Bridges Road
Building 2
Fairfield, NJ 07006
(800) 631-0951, (201) 575-0500
Personal Computer Scanners (PCS)

Datacopy Corporation
1215 Terra Bella Avenue
Mountain View, CA 94043
(415) 965-7900
Datacopy Model 730, JetReader

DEST Corporation
1201 Cadillac Court
Milpitas, CA 95035
(408) 946-7100
PC-Scan

Electronic Information Technology, Inc.
25 Just Road
Fairfield, NJ 07006
(201) 227-1447
PS-2000

Kurzweil Computer Products, Inc.
185 Albany Street
Cambridge, MA 02139
(617) 864-4700
Kurzweil Reading Machine (a complete system for translating printed text to synthesized speech; designed for blind users.)

Microtek Lab, Inc.
16901 S. Western Avenue
Gardena, CA 90247
(213) 321-2121
MS-300A, Smart Reader

Totec Company, LTD
19151 Parthenia Street
Northridge, CA 91324
703/486-2724
Words-to-Voice (a complete system with voice output, consisting of OCR device, personal computer, and software for computer).

Other companies working on low-cost sheet scanners costing $1,500-$2,000:
Sharp Electronics Corporation
Ricoh Corporation

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Training Programs in Technology for Special Education

This list contains information on both degree programs and workshop/training opportunities in the area of computer applications for disabled persons. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

ACTT Curriculum (Activating Children Through Technology)
27 Horrabin Hall
Western Illinois University
Macomb, IL 61455
309/298-1014
Model demonstration project funded in 1983 to develop a microcomputer curriculum model for ages birth-6. Program uses computers and special peripherals for environmental control, communication, drawing, writing, and teaching.

Carroll Center for the Blind
770 Centre Street
Newton, MA 02158-2597
Annual summer training program for special educators (introductions to computers and access devices) and blind teenagers (word processing).

Center for Learning & Technology
State University of New York at Buffalo
217 Baldy Hall
Buffalo, NY 14260
716/636-2110
Incorporates an interdisciplinary approach to integrating new technology into education. Goals include investigating fundamental questions, constructing prototypes and establishing relationships between industry and education.

Computer and Information Science Department
University of Massachusetts
A305 Graduate Research Center
Amherst, MA 01003
413/545-2744
Conducts research in design of single-switch scanning systems. Involved in the development and application of microcomputer programs for single-switch scanning. Evaluates software systems for the disabled.

Computer Resource Center
207 N. San Marco Avenue
St. Augustine, FL 32084
904/824-1654, ext. 581
Provides computer training and technical support to teachers of blind students and teachers of deaf students.

Department of Special Education
David Malouf, Ph.D.
University of Maryland
College Park, MD 20742
301/454-6921
Computer technology in special education doctoral program.

Department of Special Education
Dr. Robert Kretschmer
Box 223
Teachers College
Columbia University
New York, NY 10027
212/678-3880
In cooperation with the College's Department of Communication, Computing, and Technology in Education, an M.A. in Learning Disabilities or Ed.D. in Special Education, involving the application and development of technology.

Department of Special Education
University of Arkansas-Little Rock
Dr. Calvin Jones
2801 South University
Little Rock, AR 72204
501/569-3335
Teaches future rehabilitation and special education professionals computer use for a wide range of purposes. Involved in a variety of research projects, particularly regarding the use of bar code technology.

Division of Rehabilitation Services (TN)
400 Deaderick Street
Suite 1100
Nashville, TN 37219
615/741-5644
The division is on-line with SpecialNet, RehabNet, DeafNet, SCAN, HEX, and ABLEDATA. It provides statewide staff training in the uses of microcomputers in rehabilitation for vocational rehabilitation counselors.

Easter Seal Children's Center
2030 Towers Ferry Road
Suite 140
Atlanta, GA 30339
404/980-1744
Offers advice and training for computer use with pre-school handicapped children. Includes diagnostic services for students regarding computers, peripherals and appropriate software.

Education Division
Johns Hopkins University
100 Whitehead Hall
Baltimore, MD 21045
301/338-8273
Johns Hopkins offers both a Masters and a Doctoral program in Special Education Technology. The Education Division conducts research on integrating microcomputers into the special education classroom.

Gallaudet College
Mrs. Karen Simpson
Graduate Admissions Counselor
800 Florida Avenue NE
Washington, DC 20002
202/651-5070
800/672-7620, etc. 5070
Master of Science in Educational Technology: Special Education/Deafness.

Institute on Learning-Based Tools for Special Populations
University of Virginia
132 Emmet Street
Box 9022
Charlottesville, VA 22906-9022
804/924-7107
The Institute was held June 16 - July 5, 1986. Activities to enhance use of computer applications and technology in special education and clinical settings included use of learner-based software such as 1000, MPAL (a LOGO-like language which permits use of interactive videodisk, speech synthesizer and animation), PC Storyboard, and Listen to Learn (a talking word processor). Participants have the use of a computer and modem during the following year to exchange ideas and information.

Lesley College Graduate School
Rebecca Corwin, Assistant Professor
Computers and Education: Focus on Learners with Special Needs
Division of Education and Special Education
29 Everett Street
Cambridge, MA 02138-2790
617/868-9600, ext. 371
Courses blend theoretical and field-based work; Master's Degree or Certificate of Advanced Graduate Study. Program includes introductory level programming languages, software evaluation, applications for special needs learners, and curriculum integration.

Micro Abilities
98 Main Street
Suite 232
Tiburon, CA 94920
415/435-2966
Offers training to education and rehabilitation professionals and provides appropriate computer-related devices to work directly with clients.

Microcomputer Resource Center
St. Martin's College
Lacey, WA 98503
206/438-4334
Provides the opportunity for educators and others to review and evaluate different computer systems, software and other instructional materials. A variety of classes are offered related to new uses of technology.

Rehabilitation Research and Training Center
University of Oregon
217 Clinical Services Building
Eugene, OR 97405
503/686-3585
Administers the "Community Living" Bulletin Board on SpecialNet. Develops interactive video for mildly handicapped individuals. Organizes the local Special Interest Group for Special Educators of ICCE.

Resource Center
Colorado Easter Seal Society, Inc.
5755 W. Alameda Street
Lakewood, CO 80226
303/233-1666
Offers a variety of computer services for disabled people, including computer camps, workshops for disabled individuals, teachers and therapists, and information on computers and adaptive equipment.

Special Education Technology Resource
Emmanuel College Library
Third Floor
400 The Fenway
Boston, MA 02115
617/232-7913
The center maintains a software lending library, model adaptive hardware learning lab, and a variety of teacher training opportunities for special educators.

Trace Research and Development Center
S-151 Waisman Center
1500 Highland Avenue
Madison, WI 53705
(608) 262-6966
Advanced Workshop in Computer Access and Use for Disabled Persons sponsored by the Trace Center several times each year at various locations around the country. Inquire for brochure, dates and locations.

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Portable Typewriter

This is a listing of commercially manufactured portable typewriters (weighing less than 10 pounds). A list of these devices has been included because of their potential usefulness as writing systems. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

Royal Alpha 100
$199.99
No LCD; 32-character recall; standard typing paper, single sheets only; weight 10 lbs.; 1-year parts warranty only.

Sharp PA 1000
$350.00
8.7K w/expansion (5 1/2 pages); uses thermal or bond paper, single sheets only; weight 8.4 lbs.; 26 abbreviations. 90-day parts and labor warranty, factory.

Silver Reed RX-300
$795.00
Prints 16 characters/second; types in pica, elite, mini; 8K memory; can plug into any computer and act as a letter quality printer. 6-month warranty.

Silver Reed EXD-10
$195.00
15-character line; minimal memory; weight 5 lbs.; uses single sheets of thermal or bond paper; dot matrix print. 6 month warranty.

Sears #5394
$119.00, $219.00
Single page memory; weight 4 lbs.; uses single sheets of bond or thermal paper; made by Brother. 1-year parts and labor warranty.

Brother EP-44
$200.00
16-character LCD; 3.7K memory (1 1/2 pages); uses single sheets of bond or thermal paper; roll attachment included. 90-day labor warranty, 1-year parts warranty; some parts guaranteed longer.

Brother EP-22
$129.00; $99.00
16-character LCD; 2K memory; uses single sheets of bond or thermal paper; roll attachments are available. 90-day labor warranty, 1-year parts warranty; some parts guaranteed longer.

Canon Typestar 5
$225.00
15 character display; one-line memory, 30-character key buffer; automatic return, underlining; uses standard Xerox or similar paper; no roll attachments; 90-day factory warranty.

Canon Typestar 7
$350.00
32 character display; 6K memory; accepts 9 1/2" wide paper, correction ribbon, 44 key keyboard, extended memory cartridge available.

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Newsletters and Journals

This list is divided into two sections. The first contains publications with information for computer users with disabilities, and those using computers to teach persons with disabilities. The second section lists publications with information in the area of augmentative communication.

No recommendations or endorsements are implied by inclusion in this list. Contact each resource for specific, up-to-date information.

Computer Use

Journal for Computer Users in Speech and Hearing
Computer Users in Speech and Hearing (CUSH)
Mary V. Dickerson
San Jose State University
Communication Disorders and Sciences
1 Washington Square
San Jose, CA 95192
408/277-2901
Publishes manuscripts, during May and November, dealing with computer applications in diagnosis, treatment, and delivery of services to communicatively handicapped persons. Includes software/hardware reviews, new product announcements and summaries.

American Journal of Occupational Therapy
American Occupational Therapy Association
1383 Piccard Drive
Rockville, MD 20850
301/948-9626
Publication that lists new approaches, practices, research, educational activities and professional trends in occupational therapy.

SERC Newsletter
Special Education Resource Center
25 Industrial Park Road
Middletown, CT 06457
203/632-1485
Outlines the Special Education Resource Center's inservice activities, and lists new acquisitions, including professional books, instructional materials and microcomputer software.

Electronic Education
Electronic Communications, Inc.
1311 Executive Center Drive
Suite 220
Tallahassee, FL 32301
904/878-4178
Electronic Education features educational uses of the microcomputer. Has carried articles on computer applications in special education.

Rehabilitation Gazette
Gazette International Networking Institute
4502 Maryland Avenue
St. Louis, MO 63108
314/361-0475
A bi-annual international journal on the subject of independent living. Published by disabled individuals, it features articles on travel, book reviews, technological equipment and friends around the world.

TRAINING, The Magazine of Human Resource Development
Lakewood Publications, Inc.
The Lakewood Building
50 S. 9th Street
Minneapolis, MN 55402
612/333-0471
Articles concerning training disabled employees to do their jobs in corporate and industrial settings as well as making jobs accessible to disabled people. Concentrates on adapting existing business equipment.

Ruralink
ACRES
359 Miller Hall
W. WA University
Bellingham, WA 98225
206/676-3576
Each issue contains a section on technology. Additionally, various other sections report latest technological and adaptive devices for rural disabled individuals.

Rural Special Education Technology
National Rural Development Institute
359 Miller Hall
W. WA University
Bellingham, WA 98225
206/676-3576
Each issue contains sections on resources, problems and strategies, many of which are related to technology for handicapped persons. A recent issue was devoted exclusively to technology.

Education Computer News
Business Publishing, Inc.
951 Pershing Avenue
Silver Spring, MD 20910
301/587-6300
Bi-monthly newsletter that reports on computer advances in education. Reports on teacher training, software purchasing, obsolescence, new products, research, legislation, state and local news, meetings and conventions.

Micro Scope
Newsletter of the Handicapped Children's Computer Cooperative Project
7938 Chestnut
Kansas City, MO 64132
Michael Rettis, Ph.D.
Biannual newsletter.

Apple Talk
3015 South Tyler Street
Little Rock, AK 72204
Quarterly magazine for blind persons who use Apple Computers with Echo speech synthesizers.

Cognitive Rehabilitation
6555 Carrollton Avenue
Indianapolis, IN 46220
317/257-9672
Bimonthly journal that includes articles on the use of computers in cognitive retraining, software reviews, and printed source code to allow readers to program new applications.

The Source
Family Publications of Wisconsin, Inc.
P.O. Box 4073
Madison, WI 53711
(608) 274-5200
Monthly free-subscription newspaper for people with disabilities and professionals working with them. Carries a monthly colomn on technology. Regional editions published in a number of states.

MAINSTREAM, Magazine of the Able Disabled
Exploding Myths, Inc.
2973 Beech Street
San Diego, CA 92102
619/234-3138
Covers independent living and employment related technology. Also carries feature articles on individuals with various handicapping conditions. Monthly, excepting January and June.

BYTE
101 Phoenix Mill Lane
Peterborough, NH 03458
603/924-9281
BYTE is a monthly magazine covering general computer applications. The magazine has occasional articles on computer applications for disabled individuals.

Education Update
Association for Retarded Citizens of Georgia
1851 Ram Runway #102
College Park, GA 30337
404/761-2745
Bimonthly. Contains articles relevant to parents educating each other. Technological aids and assistive devices are frequently featured.

Rehabilitation Digest
Canadian Rehabilitation Council for the Disabled
One Yonge Street
Suite 2110
Toronto, Ontario Canada M5E 1E5
416/862-0340
Quarterly. Each issue contains the feature, "Let's Get Technical," highlighting technology and aids to daily living. Additionally, computer technology is a regular feature.

The Exceptional Parent
Psy Ed Corporation
605 Commonwealth Avenue
Boston, MA 02215
617/536-8961
This publication is printed 8 times a year and covers technology and exceptional children as well as new technological developments. Devotes one issue each year strictly to technology.

Education of the Handicapped
Capitol Publications
1101 King Street
Suite 444
Alexandria, VA 22314
703/683-4100
Bimonthly newsletter containing current information about federal, state, and local efforts to educate handicapped children. Covers new laws and regulations, court cases and funding.

Input/Output
669 Casleton Avenue
Staten Island, NY 10301
718/984-1526
This quarterly periodical is published by emotionally handicapped students in the New York City Public Schools. It serves as a clearinghouse for technology in Special Education.

D/SNUG
Boston Computer Society
One Center Plaza
Boston, MA 02108
Quarterly newsletter of the Disabled/Special Need Users Group

Newsletter: Microcomputer Technology for Disabled Individuals in Post-Secondary Education
Tom Morton
SBS Lab
University of South Carolina
Columbia, SC 29208
(803) 777-7840
Covers computer topics in secondary education, including product reviews.

Special Services In The Schools
Bill Cohen
The Haworth Press
12 West 32nd Street
New York, NY 10001
212/228-2800
Quarterly monograph concentration on special education topics.

Achievement
925 N.E. 122nd Street
North Miami, FL 33161-5727
305/895-0153
Monthly newsletter for the disabled.

SAINT
Leader's Digest, Inc.
6803 Whittier Avenue
Suite 200
McLean, VA 22101
Monthly consumer newsletter providing up-to-date information on ways technology helps disabled people.

Professional Services Journal
United Cerebral Palsy Association
66 East 34th Street
New York, NY 10016
212/481-6300
Journal providing a source of information about ideas, concerns, and services for people with disabilities.

Washington Apple Pi Journal
Washington Apple Pi
8227 Woodmont Avenue
Suite 201
Bethesda, MD 20814
301/654-8060
Feature reviews of microcomputer hardware and software, monthly. It also serves as a type of computer bulletin board for individuals wishing to meet and/or help other computer users.

Viewpoint
Center for Information Resources
University of Pennsylvania
4025 Chestnut Street, 3rd Floor
Philadelphia, PA 19104-3054
215/898-8108
A quarterly publication designed to address the community of individuals interested in training and placement of handicapped persons in the area of data processing.

Paraplegia News
5201 N. 19th Avenue
Suite 111
Phoenix, AZ 85015
602/246-9426
Monthly. Offers information on spinal cord injury issues to disabled individuals and to the professional community. Includes articles on accessibility, research, recreation, legislation, and new products.

Challenged American - National Newspaper for the Disabled
P.O. Box 4310
Sunland, CA 91040
818/353-3380
Monthly newspaper featuring social events and issues affecting the developmentally and functionally disabled.

Accent on Living
P.O. Box 700
Bloomington, IL 61702
309/378-2961
Quarterly. Information for physically disabled individuals, their family members, and professionals. New products listings and analysis included.

Link-and-GO
COPH Bulletin
COPH-2
2030 Irving Park Road
Chicago, IL 60618
312/477-1813
Periodicals dedicated to handicapped persons who use personal computers.

On-Line Today
CompuServe, Inc.
5000 Arlington Centre Blvd.
Columbus, OH 43220
614/457-8600
This periodical informs subscribers to CompuServe's Handicapped User's Database about new technologies and services available on the database.

Bits and Pieces
Massachusetts Rehabilitation Commission Library
Room 331
20 Park Plaza
Boston, MA 02116
617/727-1140 (voice and TDD)
A bi-monthly newsletter and acquisitions list of the Massachusetts Rehabilitation Commission Library. The Library has a large collection of disability and rehabilitation information.

The Disability Rag
The Advocado Press, Inc.
Box 145
Louisville, KY 40201
502/459-5343
Deals with social change and political issues affecting the disability rights movement. Frequently contains articles regarding the relevance of technology and announcements about new technology.

ConnSENSE Bulletin
Free
Dr. Chauncy Rucker
University of Connecticut
Box U-64
249 Glenbrook Road
Storrs, CT 06268
203/486-4034
Contains reviews of software as they apply to special needs students. Lists upcoming events and technological breakthroughs for people with disabilities as well as resource and reference information.

Bright Futures
Easter Seal Children's Center
2030 Towers Ferry Road
Suite 140
Atlanta, GA 30339
404/980-1744
Offers advice for pre-school computing, including articles on successful software utilized both in therapy and the classroom. Also covers questions and answers derived from letters to the editor.

InCider
CW Communications/Peterborough
P.O. Box 911
Farmingdale, NY 11737-9811
516/665-3232
Monthly magazine that deals with the Apple II series of computers. Articles, reviews, including educational software.

Counterpoint
9618 Percussion Way
Vienna, VA 02180
703/281-3601
Quarterly newspaper sponsored by the National Association of State Directors of Special Education. Practices, research outcomes, trends and advancements in special education.

The Disabled Challenger
Kissick's Consultants, Inc.
1615 South Fourth
Apt. #M-3210
Minneapolis, MN 55454
612/332-5648
Quarterly newsletter. Each issue features one disabled person and one nondisabled person with positive outlooks.

SENSUS
Sensory Aids Foundation
399 Sherman Avenue, Suite 12
Palo Alto, CA 94306
415/329-0430
Quarterly journal for the blind which focuses on a specific topic each issue. Hardware evaluations included.

Technology Update
Sensory Aids Foundation
399 Sherman Avenue, Suite 12
Palo Alto, CA 94306
415/329-0430
A monthly newsletter on technology for blind and partially sighted people.

The Catalyst
1259 El Camino Real
Suite 275
Menlo Park, CA 94025
415/326-6997
Bimonthly; Newsletter of the Western Center for Microcomputers in Special Education, Inc.; Information on products, research, and applications.

Closing the Gap
P.O. Box 68
Henderson, MN 56044
612/248-3294
Bimonthly. Information on the use of computers in special education and rehabilitation, including software and hardware reviews, user comments, articles, and suggestions.

Computer Disability News
Free of charge.
National Easter Seal Society
2023 W. Ogden Ave.
Chicago, IL 60612
312/243-8400
Quarterly; Announcements regarding products, software, meetings, grants; interviews with leaders in the field.

COPH Bulletin
2030 Irving Park Road
Chicago, IL 60618
Committee on Personal Computers and the Handicapped; Quarterly.

FDLRS-South
Exceptional Technology
9220 SW 52 Terrace
Miami, FL 33615
305/274-3501
Newsletter printed 8 times during the school year handling items of special interest for special education specifically for the Dane and Monroe county school systems.

Network
No charge.
2520 Broadway Drive
Minneapolis, MN 55110
612/481-3500
Instructional newsletter listing materials available from the Minnesota Educational Computing Consortium. Published only during the school year.

Rehabilitation Technology Review
RESNA
1101 Connecticut Avenue NW
Suite 700
Washington, DC 20036
202/857-1199
"Left to Our Own Devices"

The Sloane Report
P.O. Box 561689
Miami, FL 33256
305/251-2199
Bimonthly. Information on the computer industry, software and hardware reviews, consumer tips, and product information.

Teaching Research Newsletter
Special Education Department
Monmouth, OR 97361
503/838-1220
Quarterly newsletter dealing with specific projects on different areas of special education.

VME (Volunteers for Medical Engineering, Inc.)
11728 Mays Chapel Road
Lutherville, MD 21093
301/252-7834

Classroom Computer Learning
2451 East River Road
Dayton, OH 45439
800/543-4383
Newsletter aimed toward the education and administration of K-12 and college schools.

The Computing Teacher
1787 Agate Street
University of Oregon
Eugene, OR 97403
503/686-4414
9 issues/yr (August-June). The journal of ICCE (International Council of Computers in Education). Articles, columns of various interest areas (logo, math, language arts, sciences) software reviews, new products, calendars/updates.

Educational Technology
Educational Technology Publications
720 Palisade Avenue
Englewood Cliffs, NJ 07632
201/871-4007
Monthly. Articles dealing with the application of computers for education, literature and product reviews, and abstracts of documents from the ERIC Clearinghouse of Information Resources.

Electronic Learning
Scholastic, Inc.
P.O. Box 644
Lyndhurst, NJ 07071
201/939-8050
Monthly professional magazine designed for those who have a computer. Included are planning guides, software and hardware buyers guides, and teacher training curriculum.

Journal of Educational Technology Systems
Baywood Publishing Company, Inc.
120 Marine Street
Farmingdale, NY 11735

Journal of Special Education Technology
Managing Editor
Peabody College of Vanderbilt University
Box 328
Nashville, TN 37203
Quarterly; Information, research, and reports of innovative practices applicable to educational technology.

Education News Service
P.O. Box 1789
Carmichael, CA 95609
916/483-6159
916/488-4623
7 issues/yr, Sept-May; yearly index. Articles, news briefs, new products and resources, software evaluations.

Computers and the GT Student
Creative Computer Enterprises
$12.00/yr.
3002 Roanoke Circle
Lafayette, IN 47905
Quarterly; software reviews, articles, Q & A column, classroom management tips and hints.

SIG Bulletin
ICCE
University of Oregon
1787 Agate Street
Eugene, OR 97403
503/686-4414
Quarterly; is a forum for ICCE special interest groups to exchange information. One SIG is the SIGSPED - for Special Education.

Software in the Classroom, A Newsletter for Social Studies Teachers
Judith Waite
Free
Focus Media, Inc.
839 Stewart Avenue
P.O. Box 865
Garden City, NY 11530
800/645-8989
516/794-8900 (NY)
Quarterly.

Update
ERIC
Council for Exceptional Children
1920 Association Drive
Reston, VA 22091
703/620-3660
Semi-annual. List of products, current information, and tips.

Rehab Brief
PSI International
510 North Washington Street
Falls Church, VA 22046
703/534-7591
Monthly newsletter each focusing on a specific topic

The Compu-Tech Connection
Research and Training Center
Stout Vocational Rehabilitation
School of Education & Human Services
University of Wisconsin-Stout
Menomonie, WI 54751
715/232-1389
Biannual newsletter; Product and resource descriptions.

Disabled USA
President's Committee on Employment of the Handicapped
1111 20th Street NW
Washington, DC 20210
202/653-5044
A quarterly publication, scheduled for revisions including a name change in September, 1987.

International Rehabilitation Review
Rehabilitation International
25 East 21st St.
New York, NY 10010
212/420-1500
Rehabilitation International is a federation of national, regional, and international organizations and agencies working together to improve the lives of people with disabilities. Also publish 'International Journal of Rehabilitation Research'.

The Advocate
NSAC
1234 Massachusetts Avenue NW
Suite 1017
Washington, DC 20005
202/783-0125
Contains current information relating microcomputers to the teaching of autistic children. Also lists information concerning conferences relating to computers and autism. Quarterly.

Journal of Learning Disability
c/o PRO ED Inc.
5341 Industrial Oaks Blvd.
Austin, TX 28735
Includes section on computers in the schools.

Augmentative Communication

Current Expressions
Prentke Romich Company
1022 Heyl Road
Wooster, OH 44691
216/262-1984
Quarterly; Product information, articles on system users.

Augmentative and Alternative Communication
Williams and Wilkins
428 E. Preston Street
Baltimore, MD 21202
301/528-4116
Quarterly. Journal focuses on non-verbal communication, integration theory, technology, systems development, assessment, treatment and education of alternative systems users.

ALS Association Newsletter
ALS Association
15300 Ventura Boulevard
Suite 315
Sherman Oaks, CA 91403
818/990-2151
Contains summaries of available computer-assisted communication appliances and devices. New developments in the computer-assisted communication field are covered in each issue. 6 times a year.

Communi-Collegist
Callier Center for Communication Disorders
1966 Inwood Road
University of Texas
Dallas, TX 75225
214/783-3000
Provides current information on augmentative communication materials, equipment, and literature.

Communicating Together
Easter Seals Communication Institute
24 Ferand Drive
Don Mills , Ontario, Canada M3C 3N2
416/421-8377
Communicating Together is a quarterly journal published by the Blissymbolics Communication Institute. Application of Blissymbols and information useful in implementing all augmentative communication systems are provided.

Assistive Devices News
Pennsylvania Assistive Device Center
Elizabethtown Hospital and Rehabilitation Center
Elizabethtown, PA 17022
717/367-1161
800/642-7734(for Penn. residents)
Quarterly; Provides product information, announcements, and conference reports. Focuses on augmentative communication, and includes information on computer access peripherals.)

Communication Outlook
Circulation Manager
Michigan State University
405 Computer Center
East Lansing, MI 48824-104
517/353-0870
Quarterly; Focuses exclusively on communication aids and techniques.

Friends
Special Children's Friends, Inc.
RD 1, Box 84
Surry, ME 04684
Quarterly magazine for school aged children with language delays and other disabilities. Includes photo essays, interviews, and a pen pal service

Talking Bars Newsletter
Learning Express, Inc.
8029 Danwood St.
Little Rock, AR 72204
501/565-8208
Biannual. Bar code talking technology in augmentative communication and special education.

Developmental Equipment Newsletter
900 Winnetka Terrace
Lake Zurich, IL 60047
312/438-3476
Product updates on augmentative communication and computer access devices (3-4 times a year); articles sharing useful equipment applications.

Blindness and Vision Impairments

See "Information Resources for Blind and Visually Impaired Individuals."

Deafness and Hearing Impairments

See "Information Resources for Deaf and Hearing Impaired Individuals."

Trace Center

Trace Research and Development Center
on Communication, Control & Computer Access for Handicapped Individuals
Waisman Center
University of Wisconsin-Madison

1500 Highland Avenue • Madison, Wisconsin 53705-2280 • (608) 262-6966 TDD: (608) 263-5408

Trace Quick Sheets
January, 1988

Associations, Advocacy Groups and Self-Help Groups

The groups and organizations listed below are concerned with the education, rehabilitation, and employment of severely disabled individuals. The list is not comprehensive: states and communities may have agencies that can provide some of the same information and services. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

A Chance to Grow
5034 Oliver Avenue North
Minneapolis, MN 55430
612/521-2266
(ACTG) is a parent self help organization dedicated to the rehabilitation of brain injured children, and offers a sensory-motor home treatment program.

The ALS Association
15300 Ventura Blvd. Suite 315
Sherman Oaks, CA 91403
818/990-2151
This national organization acts as a referral service for computers and computer assisted communication devices to ALS patients. Most such patients depend on computers to enable them to communicate with others.

American Academy for Cerebral Palsy and Developmental Medicine
2315 Westwood Avenue
P.O. Box 11086
Richmond, VA 23230
804/355-0147
Professional organization concentrating on the latest developments in the treatment of cerebral palsy.

Association for the Development of Computer-Based Education and Training
Western Washington University
409 Miller Hall
Bellingham, WA 98225
206/676-2860
Association for professionals involved in computer-based education and training. Membership benefits include annual conference, newsletter, quarterly journal and local chapters.

American Occupational Therapy Association
1383 Piccard Drive
Rockville, MD 20850
301/948-9626
AOTA is a nationwide organization of professionals concerned with all aspects of the occupational therapy field. The organization publishes the American Journal of Occupational Therapy.

ASHA (American Speech-Language-Hearing Association)
10801 Rockville Pike
Rockville, MD 20852
301/897-5700
ASHA is involved in a number of different applications of computer technology, including administrative, clinical, therapeutic, educational, and research-oriented.

Association of Electronic Cottagers
Organization designed to support people who work in their homes with personal computers. Members can obtain marketing assistance and business consultation. Information can be obtained electronically, via a modem, through CompuServe.

Association of Computer Educators, Inc.
751 Bard Avenue
Staten Island NY 10310
718/935-4030
New York state area. Facilitates information sharing, promotes equitable use of computers by all students. Serves as job placement organization for metropolitan area computer educators.

BMUG
1442 A Walnut Street #62
Berkeley CA 94709
Macintosh Users Group; one of the Group's SIGs is concerned with educational applications. $40/year; includes bi-annual newsletter, help-line.

Boston Computer Society
1 Center Plaza
Boston MA 02108
617/367-8080
Non-profit educators of those who use personal computers. Membership includes a newsletter, magazine, and access to various resources.

California Governor's Committee for Employment of the Handicapped
MIC 41
P.O. Box 942880
Sacramento CA 94280-0001
916/323-2545

Center for Computer Assistance to the Disabled (C-CAD)
P.O. Box 19129
Arlington, TX 76019
817/273-3964

Committee on Personal Computers and the Handicapped (COPH-2)
2030 W. Irving Park Road
Chicago IL 60618
Information and technical consultation.

Community Health Information Project (CHIP)
Dan Van Horn
Sensory Aids Foundation
399 Sherman Ave.
Suite 12
Palo Alto, CA 94306
415/329-0430

Connecticut Parent Advocacy Center
Mohegan Community College
Norwich, CT 06360
203/886-5250
This organization acts as a referral agency for people needing information about services for handicapped people.

Coordinating Council for Handicapped Children
20 East Jackson Blvd.
Room 900
Chicago, IL 60604
312/939-3513
Provides training programs on special education rights and services for parents and professionals.

Council for Exceptional Children
1920 Association Drive
Reston, VA 22091-1589
703/620-3660
The major national association of special education teachers, administrators, and university students training to be teachers. Publishes "Exceptional Children" and "Teaching Exceptional Children."

Disabled Children's Computer Group
2095 Rose St.
First Floor East
Berkeley, CA 94709
415/841-DCCG
Provides information and training in the area of computer use by disabled school children. Members have access to equipment.

Disabled Interest Group of the San Diego Computer Society (DIGSIG)
Milton Blackstone
1301 Dell Crest Lane
La Jolla CA 92037
619/459-8255 (Voice)
619/454-8078
Maintains 24 hour Bulletin Board which provides information on associations, agencies, and services for people with disabilities. Also features public domain files for downloading, listing of assistive devices and other computer accessing aids. Full message system online. No fees involved.

Easter Seal Systems
2023 W. Ogden
Chicago, IL 60612
312/243-8400
This organization sponsors grants for software development for disabled persons, and is developing regional adaptive device centers. Provides education, training, and discounts on selected computer systems.

Federation for Children with Special Needs
312 Stuart Street
Second Floor
Boston, MA 02116
617/482-2915
Coalition of parent organizations offering technical assistance and resource information on children with various disabilities.

Georgia Computer Programmer Group
2201 Glenwood Avenue SE
Atlanta, GA 30316
404/894-3972
404/874-8371
Train disabled to use computers, primarily for self-employment. Also will help disabled individuals find employment.

ISAAC (International Society for Augmentative and Alternative Communication)
P. O. Box 1762
Station R
Toronto, Ontario M4G 4A3
416/421-8377
The purpose of ISAAC is to advance the field of augmentative and alternative communication, to facilitate information exchange, and to focus attention on work in the field. Membership is international. Activities include binennial and regional conferences. Membership includes regular issues of "The ISAAC Bulletin" and reduced rates to ISAAC's official journal "Augmentative and Alternative Communication" and affiliated publications "Communication Outlook" and "Communicating Together".

Josephine Kretsch Brain Injury Resource Library
5034 Oliver Avenue North
Minneapolis, MN 55430
612/521-4245
A membership library offering reference and lending services on topics related to brain injury. Produces bibliographies, pathfinders, kits, and other materials.

LIFT, Inc.
350 Pfingsten
Suite 103
North Brook IL 60062
312/564-9005
Not-for-profit contract programming company that identifies, trains, and hires physically handicapped individuals for major corporations.

Muscular Dystrophy Association
810 7th Avenue
New York, NY 10019
212/586-0808
Provides services for disabled people interested in computer-generated music systems. Services include consulting and system set-up.

NAHSA (National Association of Hearing and Speech Action)
10801 Rockville Pike
Rockville, MD 20852
301/897-5700
A consumer advocacy group for speech and hearing impaired persons and for deaf persons.

National Down Syndrome Congress
1800 Dempster
Park Ridge, IL 60068-1146
800/232-6372 (outside Illinois)
312/823-7550
An organization of parents and professionals that provides information on services for persons with Down Syndrome.

National Head Injury Foundation, 333 Turnpike Road
Southboro, MA. 01772
617/879-7473

National Information Center For Children and Youth
P.O. Box 1492
Washington, D.C. 20013
703/522-3332
A free information service that assists parents, educators, care-givers, and others in ensuring that children and youth with disabilities have better opportunities.

National Parent Chain, Inc.
90 E. Wilson Bridge Road
Suite 297
Worthington, OH 43805
614/431-1911
This organization operates a SpecialNet Bulletin Board dedicated to information about special education.

National PC JR Users Group
P.O. Box 701618
Tulsa OK 74170
918/747-2208

National Spinal Cord Injury Association
149 California Street
Newton, MA 02158
617/964-0521
Provides information or referrals for the direct care of para- or quadriplegic persons. Publishes a variety of materials for rehabilitation professionals and persons with spinal cord injuries.

NSAC (National Society for Children and Adults with Autism)
1234 Massachusetts Avenue NW
Suite 1017
Washington, DC 20005
202/783-0125
NSAC is a national service and advocacy organization for people with autism. Special services are offered on a local level as well as public policy advocacy and information and referral services being offered on a national scale. This organization provides information relating to computers and autistic children.

Ohio Coalition for the Education of the Handicapped
933 High Street
Suite 106
Worthington, OH 43085
614/431-1307
Currently developing a statewide database of agencies serving handicapped children.

PACER
4826 Chicago Avenue South
Minneapolis, MN 55417
612/827-2966
PACER provides information, training and assistance to parents of handicapped children. Advice is offered in the areas of appropriate education and interpretation of legal rights.

Quadriplegics Communications Group, Inc.
407-333 Stradbrook
Winnipeg Manitoba R3L 0J5
This group is an organization representing and represented by Canadians with various disabilities. The group's goals include: access to technology, information, publishing, and public awareness for the disabled.

RESNA (The Association for the Advancement of Rehabilitation Technology)
Suite 700
1101 Connecticut Avenue, NW
Washington, D.C. 20036
202/857-1199
This organization is concerned with the exploitation of science and technology in rehabilitation. Its membership includes rehablilitation professionals, providers, and consumers. Some of RESNA's goals are to promote interaction between the above groups, improve the quality of life for disabled people through the application of science and technology, and to influence policy relating to the delivery of technology to people with disabilities. RESNA has a special interest group on computer applications.

SIGSPED
International Council for Computers in Education
1787 Agate Street
Eugene OR 97403-1923
503/686-4414
Special interest group for computers in special education.

Special Interest Group for Computers and Physically Handicapped (SIGCAPH)
c/o Association for Computing Machinery
11 West 42nd Street
New York NY 10036
212/869-7440
A quarterly publication. For information contact Ross Lambert, Chairperson, Wheaton, IL 312/462-4205.

TASH (The Association for Persons with Severe Handicaps)
7010 Roosevelt Way NE
Seattle, WA 98115
206/523-8446
Offers information on severe-profound disabilities (particularly severe retardation). Maintains an extensive bookstore of books and papers regarding persons with severe handicaps. Produces assistive devices.

VIEWPOINT
c/o Physically Handicapped Training Center
University of Pennsylvania
Philadelphia PA 19104
215/898-8108

Washington Apple Pi
8227 Woodmont Avenue
Suite 201
Bethesda, MD 20814
301/654-8060
Organization of Apple computer users who meet and discuss all aspects of Apple computers. Many of the topics are applicable to disabled individuals. The organization publishes Washington Apple Pi Journal.

Trace Center

Trace Research and Development Center
on Communication, Control & Computer Access for Handicapped Individuals
Waisman Center
University of Wisconsin-Madison

1500 Highland Avenue • Madison, Wisconsin 53705-2280 • (608) 262-6966 TDD: (608) 263-5408

Trace Quick Sheets
January, 1988

Service Centers for Augmentative Communication and Computer Access

This list includes basic information on clinical programs that provide services in the areas of computer access for disabled persons and augmentative communication for non-vocal persons. The list is organized by state. Contact particular centers to determine if their services will suit your needs. No recommendations or endorsements are implied by inclusion on this list.

Alabama

Pam Elder, MA CCC
201 Sleepy Hollow Circle
Birmingham, AL 35216
205/967-2050
An independent consultant, may be able to provide assistance and/or information in the area of augmentative communication.

Arizona

Cerebral Palsy Foundation of South Arizona
4710 E. 29th DAC W.
Tucson, AZ 85711
602/747-8609
Involves basic remediation and rehabilitation, vocational counselling and research on the use of technology with individuals with severe and profound handicaps.

The SPEAC Center
Mary Christen, MA
6306 North Seventh Street
Phoenix, AZ 85014
602/263-0770
Evaluations done on children with special needs; including augmentative communication.

Arizona Training Program
Susan Neidlinger
Auxiliary Communication Assessment
3727 East McDowall Road
Phoenix, AZ 85008
602/275-7821, ext. 357
Accepts referrals and students within Maricopa county schools - especially those with cerebral palsy and developmental disabilities. Services provided in the field of augmentative communication.

Children's Achievement Center for Developmental Delays
3825 East Second Street
Tucson, AZ 85716
602/325-1517
This center is primarily for preschool aged children with neuromuscular and developmental delays. Based on the child's needs an individual program is devised in the areas of physical and occupational therapy, speech and language, and special education.

California

Assistive Device Center, California State University-Sacramento
Colette Coleman, Ph.D., Co-Director
Albert M. Cook, Ph.D., Co-Director
650 University Ave.
Suite 101B
Sacramento, CA 95825
916/924-0280
Services include evaluation, fitting of equipment and training. All ages are served by this center.

Children's Hospital & Health Center
Speech, Hearing, & Neurosensory Center
Chris Hagen, Ph.D., Director
Speech-Language Pathology Department
8001 Frost Street
San Diego, CA 92123
619/576-5837
Speech evaluation for all disorders, oral rehabilitation, and augmentative communication aids.

Children's Hospital at Stanford
Rehabilitation Engineering Center
Margaret R. Barker, MS
520 Sand Hill Road
Palo Alto, CA 94304
415/327-4800, ext. 345
Offers 6 services including wheel chair mobility and communication aids clinic.

UCLA Intervention Program
Dr. Judy Howard, Medical Director
23-10 Rehabilitation Center
1000 Veteran Avenue
Los Angeles, CA 90024
213/825-4821
This program works with young children (18 mo. - 5yrs.) who are either physically or mentally handicapped. A team of specialists work in all rehabilitation areas including computer instruction.

Glendale Adventist Hospital
Rhonni Greig, Supervisor of Department of Communicative Disorders
Non-Speech Communication Program
1509 Wilson Terrace
Glendale, CA 91026
818/409-8023
Services include evaluation, and custom fitting of equipment. All ages are served by this clinic.

Non-Oral Communication Center
Judy Montgomery, MA, CCC
9675 Warner Avenue
Fountain Valley, CA 92708
714/964-2014
Non oral children are assessed by an interdisciplinary team to determine their language skills, learning style and motor abilities.

Non-Verbal Assessment Program
Sally Cook, MA, CCC, Teacher Coordinator
Los Angeles Unified School District
c/o Widney High School
2302 South Gramercy Place
Los Angeles, CA 90018
213/732-1976
This program serves individuals aged 3-21 yrs. A full team of specialists perform evaluations, and fitting and training of equipment.

Northridge Hospital Medical Center
Gail L. Pickering, Program Coordinator
Innovative Communications Aids for the Non Verbal (ICAN)
18300 Rosco Boulevard
Northridge, CA 91328
818/885-8500
A team of professionals perform evaluations, fitting and training of equipment. Also provide seating and positioning training.

Rancho Los Amigos Hospital
Frank DeRuyder, Ph.D., Director
Communication Disorders Department
7601 East Imperial Highway
Downey, CA 90242
213/940-7682
This department gives evaluations and involves itself with audiology and speech/language therapy. A program called transition in living is also offered to ease the shock of clients who underwent therapy.

White Memorial Medical Center
1720 Brooklyn Avenue
Los Angeles, CA 90033-2481
213/268-5000
Offers diagnostics for speech/language therapy.

SDSU Assistive Device Assessment Program
Clinical Training Center
College of Human Services
San Diego State University
San Diego, CA 92182-0446
619/265-6121
This organization runs tests and makes referrals covering all the bases on physical/mental disabilities and development.

Non-Oral Communication Services: Community Based Service
Marilyn J. Buzolich, Ph.D.
Director
443-7 Green Ridge
Daly City, CA 94014
415/664-2274

Colorado

Rocky Mountain Regional Center
Boulder Memorial Hospital
Helene Hoff, Coordinator
311 Mapleton
Boulder, CO 80302
303/441-0431
This medical center accepts inpatients and outpatients; deals with disabilities caused through physical injury (i.e. head trauma, stroke, and spinal injury).

Fitzsimmons Army Hospital
Fran Romero
c/o Speech/Audiology Department
East Colfax Avenue
Aurora, CO 80045-5001
303/361-8241
Provides diagnostic services to all ages. Services include rehabilitation engineering.

Poudre Valley Hospital
1024 Lemay Avenue
Fort Collins, CO 80524
303/482-4111
Provides diagnostic services to all ages.

Connecticut

Newington Children's Hospital
Lynn Graff, Speech and Hearing
181 East Cedar Street
Newington, CT 06111
203/667-5200
Available for on-site evaluations. Augmentative communication catering mainly to adults. A department specializing in seating and positioning interfaced with adaptive equipment is also offered.

Connecticut Center for the Non-Vocal
Iris Fishman
130 Hunting Street
Bridgeport, CT 06606
203/334-2118
Special needs center giving on-site evaluations. An under 3 day program and an adult day program are available.

Delaware

University of Delaware
Assistive Device Center
12 Willard Hall
Newark, DE 19716
302/451-2084
Provides centralized housing of diagnostic/prescriptive assistive devices that can be used on site or requested by outlying areas for short term loan.

District of Columbia

Communication Aids Education Software
Susan A. Brummell, M.S.
Speech & Language Pathologist
3177 18th Street, N.W.
Washington, DC 20010
202/462-1187
202/899-5891 (Messages)

Florida

Florida Diagnostic Learning Resources Services (FDLRS)
9220 SW 52 Terrace
Miami, FL 33165
305/274-3501
Offers diagnostics for computer compatibility for disabled people, inservice training, computer information resources, as well as software and hardware evaluation. Those individuals who live in the southern or eastern portion of the state can inquire about FDLRS/South & FDLRS/EAST.

The Communication System Evaluation Center
Edythe F. Finkley, Evaluation Team Leader
Sandra Osborn, Senior Presentor
P.O. Box 271
434 N. Tampa Avenue
Orlando, FL 32802
305/423-9212
305/422-3200, ext. 692
State wide center serving students ages 3-21 in augmentative communication.

Illinois

Du Page Easter Seal Treatment Center, Inc.
830 S. Addison
Villa Park, IL 60181
312/620-4433
The center specializes in the use of personal computers in therapy.

Alan J. Brown Center of Alternative Communication & Environmental Control
Jerri Voda, MS, CCC-SP
Rehabilitation Institute of Chicago
345 East Superior Street
Chicago, IL 60611
312/908-2556
Center for augmentative communication, offering evaluation and training.

Technical Aids and Assistance for the Disabled Center (TAAD)
1950 West Roosevelt Road
Chicago, IL 60608
312/421-3373
Walk-in center containing consumer accessible technologies and related information.

Gottfreid Speech Association
Ann B. Kanter, MA, CCC-Sp
Center for Non-speech Communication
1535 Lake Cook Road
Northbrook, IL 60062
312/564-9230
Evaluations given; 10 speech/language pathologists on staff. Specialize in various areas including non-vocal communication aids.

State of Illinois
Anna Mental Health and Development Center
Rehabilitation Services
c/o Speech/Hearing Dept.
1000 North Main Street
Anna, IL 63906
618/833-5161
Inpatient services only. Screening, evaluations, and speech/language therapy.

Center for Communication Disorders Ltd.
18141 Dixie Highway
Homewood, IL 60430
312/799-7520
Evaluations, involvement in assessment, and work with electronic communication aids are part of this center's services.

Indiana

Rehabilitation Technology Center
Larry Whitehead
615 North Michigan Street
South Bend, IN 46601
219/284-7134
This center works with seating and positioning, environmental modifications, and computer access. At job/home evaluations given.

Rehabilitation Technology Center
6535 East 82nd Street, Suite 102
Indianapolis, IN 46250
(317) 845-3408
Provides services in: augmentative communication, seating and positioning, mobility, environmental control, computer access, and home and job site modification.

Fort Wayne State Hospital & Training Center
Julie Katchum
Speech and Hearing Department
4900 St. Joe Road
Ft. Wayne, IN 46815
219/485-7554, ext. 647
This department deals with augmentative communication; only inpatients accepted.

Porter County Special Education Coop
Neil Carpenter
750 Ransom Road
Valparaiso, IN 46383
219/464-9607
Provides diagnostic evaluations for students in the area of speech & language, including augmentative communication.

Memorial Hospital
Mark Russel
Assistive Device Resource Center
615 North Michigan
South Bend, IN 46601
219/284-7134
A diagnostic center whose services include: computer access, seating & positioning, and job/home site evaluations.

Kansas

Institute of Logopedics
Augmentative Communication Program
2400 Jardine Drive
Wichita, KS 67219
316/262-8271
800/835-1043
Evaluation and assessment; program includes communication aids.

Kentucky

Redwood School and Rehabilitation Center
Debra Maly, M.A., CCC, Speech Dept. Head
71 Orphanage Road
Fort Mitchell, KY 41017
606/331-0880
A diagnostic center serving all ages; offers special help to children ages 0-5 yrs.

Louisiana

LSU Medical Center
Diane Bristow
Louisiana State University
Shreveport, LA
(504) 568-4348
Augmentative communication services.

LSU Children's Center
Clydie Mitchell
Louisiana State University
3730 Blair
Shreveport, LA 71103
Augmentative communication services.

Maryland

United Cerebral Palsy of Central Maryland
Sue Cohen, Director
Non-Vocal Communication
Derry Preschool
18 Delrey Avenue
Catonsville, MD 21228
301/744-3151
Evaluations for augmentative communication.

Maryland Rehabilitation Center
2301 Argonne Drive
Baltimore, MD 21218
301/554-3000
Comprehensive vocational rehabilitation center for the deaf and non-vocal; computer access. Center for technology for human disabilities.

Kennedy Institute
Sarah Blackstone, Ph.D.
707 North Broadway
Baltimore, MD 21205
301/522-5450
Providing diagnostic services to ages 0-21 yrs. Also offers dissemination of information.

Massachusetts

Adaptive Computer Technology Center
Kennedy Memorial Hospital
30 Warren Street
Brighton, MA 02135
617/254-3800
Utilizes and provides instruction in the use of computer-based technology to enhance learning, leisure, communication, prevocational skill development, independent living, and environmental control.

Children's Hospital Medical Center
Howard Shane, Ph.D.
Communication Enhancement Clinic
300 Longwood Avenue
Boston, MA 02115
617/735-6466
Evaluations for the non-vocal including spinal cord injured clients and the speech impaired. Incorporate therapy with voice activated computer systems.

Massachusetts Hospital School
Carol Sargent, OTR/L
Adaptive Equipment
3 Randolf Street
Canton, MA 02021
617/828-2440
"Project Access World"; Outpatient clinic; adaptive design.

Non-Speech Communication Program
Ellen Kravitz
Speech and Hearing Department
Fernald State School
Box 158
Belmont, MA 02178
617/894-3600, ext 2352 or 2285
Coordinated program offering strictly inhouse services. No evaluations given, but consultation and orientational information is provided.

Speech, Hearing, Language
New England Medical Center
750 Washington
Boston, MA 02111
617/956-5300
Evaluations for the non-vocal.

New England Medical Center, Inc.
Dr. Bruce Gans / Robin Low
Special Equipment Clinic
Box 387
Boston, MA 02111
617/956-5625
Twice monthly this center offers day-long evaluations by a team of specialists in the following rehabilitation areas: communication, mobility, seating, etc.

Michigan

Oakland Schools Learning Assessment Clinic
Ina Kirstein, Communication Consultant/Clinician
Communication Enhancement Center
2100 Pontiac Lake Road
Pontiac, MI 48054
313/858-1901
Educational evaluations, student assessment, classroom observation - an adult program is also offered.

Jackson County Intermediate School District
Dianne Taulbee, Supervisor
6700 Browns Lake Road
Jackson, MI 49201
517/787-2800

Communication Enrichment Resource Center (CERC)
John Smallwood / Bill Caster
Northville Public Schools
501 West Main Street
Northville, MI 48167
313/349-6210
This center serves multiply handicapped public school students (ages 8-24 yrs.); federally funded.

Mott Children's Health Center
Pamela Demceck
806 Tauri Road
Flint, MI 48503
313/767-5750
Speech therapy and evaluations for school aged children.

Minnesota

Sister Kenny Institute
800 E. 28th Street at Chicago Avenue
Minneapolis, MN 55407
612/874-4175
This organization uses computer programs to provide language and cognitive therapy to adults with neurologic injuries.

United Cerebral Palsy of Minnesota, Inc.
1821 University Avenue S. 223
St. Paul, MN 55104
612/646-7588
No evaluations, but operates a loan bank of communication equipment for professionals in the area to allow assessment of the appropriateness of a device for a client.

Creative Communication and Rehab Systems
10416 Boundary Creek Terrace
Maple Grove, MN 55369
612/424-5591
Offers a wide range of augmentative communication devices, accessories, and environmental controls for non-speaking, physically disabled persons. Services include loaner/rental, dealer support, training, and funding recommendations.

Rum River
Special Education Cooperative
430 N.W. Eighth Avenue
Cambridge, MN 55008
612/689-3600

Courage Center
Diane Cross
3915 Golden Valley Road
Golden Valley, MN 55422
612/588-0811
72 different programs. Computer access, augmentative communication, speech/language therapy are among the 72 offered. Evaluations given.

Mississippi

Living Systems/ITD
428 N. Lamar Boulevard
Oxford, MS 38655
601/234-0158
Has a microcomputer laboratory equipped to evaluate and to develop hardware and software which will provide capability to disabled individuals.

Missouri

Jewish Hospital
Occupational Therapy Department
216 S. Kings Highway
St. Louis, MO 63110
314/454-7752
Using microcomputer technology, the Jewish Hospital offers complete assessment and treatment for disabled people. Teaches microcomputer use as a tool for rehabilitation as well as for vocational training.

Center for Assistive Communication
Hearing and Speech Department
Menorah Medical Center
4949 Rock Hill Road
Kansas City, MO 64110
816/276-8225
Provides evaluations for augmentative communication systems.

Nebraska

Barkley Speech-Language and Hearing Clinic
University of Nebraska-Lincoln
253 Barkley Memorial Center
Lincoln, NE 68583-0731
402/472-5459
Evaluations for augmentative communication; speech/language therapy.

New Jersey

Cerebral Palsy Association of Middlesex County
Travis M. Tallman, CCC-Sp
Director, Speech Pathology
Oak Drive
Roosevelt Park
Edison, NJ 08837
201/549-5580
Comprehensive program that operates a private school and an infant program. Computer access available.

Children's Seashore House
Joan Bruno, MS, CCC
4100 Atlantic Avenue
Atlantic City, NJ 08404
609/345-5191
Evaluations for augmentative communication. Speech/language therapy and computer access offered.

Children's Specialized Hospital
Kim Jolie, MA, CCC-SP
Augmentative Communication Services
150 New Providence Road
Westfield-Mountainside, NJ 07091
201/233-3720
Comprehensive rehabilitation hospital specializing in physical therapy. Involves evaluations for augmentative communication, audiology, and speech/language therapy as well.

New Mexico

Clinical Microcomputer Laboratory
Department of Speech
New Mexico State University
Las Cruces, NM 88003
505/646-2402
Diagnostic and clinical report center.

New York

John A. Coleman School
New York Foundling Hospital
1175 Third Avenue
New York, NY 10032
212/472-3322, ext. 629
The School uses computers daily with multiply handicapped children (ages 1-10) to achieve a variety of basic educational goals.

The Burke Rehabilitation Center
785 Mamaroneck Avenue
White Plains, NY 10605
914/948-0050
Cerebral Palsy Center
Physical rehabilitation center dealing with problems such as: cardiac and pulminary diseases, head trauma, spinal cord injury, and arthritis. Evaluation on referral.

Carol Cohen, Director
United Cerebral Palsy Center
1603 Court Street
Syracuse, NY 13208
315/455-7591

Non-Vocal Communication Group of Greater New York
Arlene Kraat
Queen's College
65-30 Kissena Boulevard
Flushing, NY 11367
718/520-7000
718/520-7358
Evaluations for augmentative communication, speech/language therapy, computer access, and treatment for ALS patients.

Rochester Institute of Technology
The Office of Special Services
1 Lomb Memorial Drive
P.O. Box 9887
Rochester, NY 14623-0887
716/475-2832

North Carolina

Division of Disorders of Development and Learning
Patricia Porter/Kay Hains
University of North Carolina Chapel Hill
Biological Science Research 220H
CB# 7255
Chapel Hill, NC 27514
919/966-5171
Clinical center for the study of development and learning.

Ohio

Rehabilitation Institute of Ohio
Miami Valley Hospital
One Wyoming Street
Dayton, OH 45409
513/220-2063
The Institute uses computers to help brain injured individuals make maximum use of their abilities. Focus is on cognitive and linguistic retraining using microcomputers as therapeutic tools.

Prentke Romich Company
1022 Heyl Road
Wooster, OH 44691
216/262-1984
A manufacturer of products for the non-vocal, also offers evaluations and clinical services.

Oregon

Good Samaritan Hospital
Margaret Russitano, MA
1015 N.W. 22nd Avenue
Portland, OR 97210
503/229-7711
Many diagnostic programs offered. Evaluations and computer access.

Pennsylvania

Pennsylvania Assistive Device Center
Mary Brady
Elizabethtown Rehabilitation Hospital
Elizabethtown, PA 17022
717/367-1161, ext. 315
Providing information and services to the physically handicapped. This assistive device center offers equipment in the area of computer access and augmentative communication for students ages 3-21 yrs., in Pennsylvania.

South Dakota

Yankton Area Adjustment Training Center
909 W. 23rd Street
Yankton, SD 57078
605/665-2518
Provides computer-assisted learning on the Apple IIe for area special education students. Focus includes job skills, job readiness skills, math skills, time and money skills, pedestrian safety, and motivation.

Crippled Children's Hospital and School
2501 West 26th Street
Sioux Falls, SD 57105
605/336-1840
Serving ages 0-21 yrs., the program offers diagnostic evaluations and services.

Tennessee

University of Tennessee
Elaine Trefler, OTR
Rehabilitation Engineering Center
682 Court Avenue
Memphis, TN 38163
901/528-6445

Texas

Callier Center for Communication Disorders
Delva Culp
1966 Inwood Road
Dallas, TX 75235
214/783-3033

Education Service Center, Region 20
Dennis Dildy
Community Based Services
1314 Hines Avenue
San Antonio, TX 78208
512/271-7611

The Freedom Center
2219 Babcock Road
San Antonio, TX 78229
(512) 696-0281, 696-1910
Augmentative communication evaluations and training, plus training in other areas such as mobility, self-care, work and leisure.

Washington

Gordon R. Hauck School
Lake Washington School District
11133 N.W. 65th
Kirkland, WA 98033
204/822-9588

Children's Orthopedic Hospital and Medical Center
Myra Isaman
Communicative Disorders
4800 Sand Point Way N.E.
Seattle, WA 98105
206/526-2191 or 526/2104.
Providing services in augmentative communication. Mailing address is P.O. Box C5371, Seattle WA 98105.

University of Washington Hospital
Communication Augmentation Center
BB 919 Health Sciences Building RJ-30
Seattle, WA 98195
206/543-3674

Wisconsin

Communication Aids and Systems Clinic
Donna DePape
S-120 Waisman Center
1500 Highland Avenue
Madison, WI 53705
608/263-2522
Clinical assessment and evaluations for all ages.

Trace Center Communication Development Program
Julie Gamradt
S-157 Waisman Center
1500 Highland Avenue
Madison, WI 53705
608/263-5697

Curative Rehabilitation Center
1000 North 92nd Street
Wauwatosa, WI 53226
414/259-1414
Offers equipment loaning and diagnostic assessment in a variety of areas, including augmentative communication.

Canada

Technical Resource Center
100-525-11th Avenue S.W.
Calgary, Alberta T2R OC9
403/262-9445
Provides information and one-month loan of devices in the areas of adaptive toys, communication aids, daily living aids, inventory control and microcomputers. It offers assessment and consultation.

Sunny Hill Hospital for Children
3644 Slocan Street
Vancouver, British Columbia V5M 3E8
604/434-1331
Offers assessment and training of physically disabled children for access to microcomputers for education, recreation, and communication.

Bloorview Children's Hospital
Bill Innes
25 Buchan Court
Willowdale, Ontario M2J 4S9
416/494-2222

The Hugh MacMillan Medical Centre
Penny Parnes, Director
350 Rumsey Road
Toronto, Ontario M4G 1R8
416/425-6220
Special programs of the Medical Center include assessment for augmentative communication devices. Also operate a microcomputer training program for the physically disabled.

The Kinsman Rehabilitation Foundation
Technical Aids Program
2256 West 12th Avenue
Vancouver, British Columbia V6K 2N5
604/736-8841
Rehabilitation center with many programs for the physically handicapped. Evaluation and computer access available.

Gorge Road Hospital
63 Gorge Road East
Victoria, British Columbia V9A 1L2
604/386-2464
Extended care and rehabilitation hospital. Speech/language therapy, augmentative communication, and training for disabled individuals.

Trace Center

Trace Research and Development Center
on Communication, Control & Computer Access for Handicapped Individuals
Waisman Center
University of Wisconsin-Madison

1500 Highland Avenue • Madison, Wisconsin 53705-2280 • (608) 262-6966 TDD: (608) 263-5408

Trace Quick Sheets
January, 1988

Software Resources

This list provides additional suggestions about where to look for information on software for special education and rehabilitation. It contains two sections, one listing Software Directories and one listing Software Information Services. No recommendations or endorsements are implied by inclusion on this list. Contact each resource for more specific and up-to-date information.

Software Directories and Guides

Special Times
Free
COL
Dept. C
Cambridge Development Laboratory
P.O. Box 605
Newton Lower Falls, MA 02162
800/637-0047
Free catalog of software selected specifically for children with learning disabilities. Over 100 programs, by subject area.

The Educational Software Catalog
Computer Options
85 Market Street
Poughkeepsie, NY 12601
914/471-2765
100 pages; current educational software for Apple, IBM, and Commodore, by subject area; 500+ titles.

Public Domain Software on File, Apple II Series Collection
Facts on File Publications
460 Park Avenue South
New York, NY 10016
212/683-2244
Currently gathering and evaluating public domain software for IBM, Macintosh, and CP/M.

Software Directory of Free Educational Material and Special Education Software
$30.00
Education Associates
P.O. Box 35221
Phoenix, AZ 85069
602/234-1762

Catalogue: Special Access Catalogue
$5.00
Access Unlimited Speech Enterprises
P.O. Box 7986
Houston, TX 77270
713/461-1666
Over 45 speciality developers listed; 300+ software and periferals products mostly for the Apple.

Software Recommended for Special Populations
Dr. Eydie Sloane
FDLRS-South
9220 SW 52nd Terrace
Miami, FL 33165
305/274-3501
Alphabetically lists programs in major curriculum areas (language arts, math, social studies, science, career/vocational education, speech/language, survival/independent living skills, leisure activities, word processing/utilities, computer science/technology and recommends for (1) hearing impaired, vision impaired, motor impaired, mentally retarded or learning disabled and (2) ability/interest level - preschool, elementary, junior, senior and adult.

Family Guide to Educational Software
L.F. Garlinghouse, Inc.
34 Industrial Park Place
Middletown, CT 06457
203/632-0500

LAUSD/UCLA Microcomputer Team Handout
$2.00 donation requested
23-10 Rehabilitation Center
1000 Veteran Avenue
Los Angeles, CA 90024
(213) 825-4821
Lists hardware, software and books used by the LAUSD/UCLA Microcomputer Team. Software is categorized and has brief descriptions.

The Specialware Directory: A Guide to Software For Special Education
$22.50
The Oryx Press
2214 N. Central at Encanto
Suite 103
Phoenix, AZ 85044
602/254-6156
Comprehensive reference of programs from more than 100 companies. Programs are indexed by curriculum area (further divided into specific skill areas), exceptionality, hardware, use of special peripherals for input and output, level (early childhood, primary, intermediate jr. high, sr. high, adult basic education, professional). Programs for special education admin. are included (authoring systems, learner evaluation and assessment, records maintenance/general administration and management, teacher utilities).

Directory of Software Preview Centers
$10.00 (ICIA members; non-members $25.00)
International Communication Industries Association (ICIA)
3150 Spring Street
Pairfax, VA 22031-2399
703/273-7200

Software Reports: The Guide to Evaluated Educational Software
$39.95 (seasonal issue)
$149.50 (biweekly looseleaf update issues)
Trade Service Corporation
10996 Torreyana Road
San Diego, CA 92138
Nearly 1,800 program evaluations arranged under one of twenty different subject areas. Ratings are based on program: documentation, ease of use, content, instructional techniques, and educational usefulness.

Computer Equipment & Aids for the Blind and Visually Impaired
$24.50
Computer Center for the Visually Impaired
Baruch College
17 Lexington Avenue
Box 515
New York, NY 10010
Up-to-date directory containing more than 150 entries. Included are hardware and software suppliers, peripherals, researchers, training and demonstration centers.

The 1986 Educational Software Preview Guide
ICCE (International Council for Computers in Education)
University of Oregon
1787 Agate Street
Eugene, OR 97403-9905
503/686-4414
Lists over 400 titles of favorably reviewed software for K-12 classroom use by curriculum area.

Only the Best: The Discriminating Software Guide
For Preschool-Grade 12
1986 edition
Education News Service (see Publications section)
P.O. Box 1789
Carmichael, CA 95609
916/483-6159
916/488-4623
An annual report by the editors of School Tech News. Descriptions of 168 new programs that received highest agreement of top quality from 22 evaluation services, and a listing of 54 runners-up programs and the 113 highest rated programs from 1985.

Technology in Curriculum (TIC) Project
Technology Unit
California Dept. of Education
721 Capitol Mall
Sacramento, CA 95814
916/324-1961
4 resource guides (math, lang. arts, science, history/social sci.) which explain how 100 video and 500 software program fit into the curriculum with specified learning objectives. 5-10 detailed lesson plans using programs for different grades in each subject area. Data related software (Apple II) merges information in the resource guides electronically. This is expected to be a model for other states; each public school in Calif. received a copy. A limited number are available for other educators.

Computer Use in Social Services
Network Software Clearinghouse
The Graduate School of Social Work
University of Denver
Denver, CO 80208-0274
303/871/2915
Software for use in human services.

Survey of Existing Courseware
Education Turnkey Systems, Inc.
256 N. Washington Street
Falls Church, VA 22046
703/536-2310

The Special Directory
LINC Resources
3857 North High Street
Columbus, OH 43214
614/263-2123
To order the directory contact 2214 N. Central, Encanto, Phoenix, AZ 85004.

Microgram
$40.00 (subscription)
Educational Products Information Exchange
P.O. Box 839
Water Mill, NY 11976
516/283-4922
October through June monthly publication of educational software and updated listings of select current software.

IBM Special Education Resources Guide to Adaptive Devices, Software, and Services for Special Education, Vocational Rehabilitation, and Employers
National Support Center for Persons with Disabilities
P.O. Box 2150
Atlanta, GA 30055
404/238-3206
800/426-2133

The Rehab/Education Resourcebook Series: Resourcebook 3, Software and Hardware
1986 (Update available Fall 1987)
Trace Research and Development Center
1500 Highland Avenue
S-151 Waisman
Madison, WI 53705
608/262-6966
A computer software and hardware listing with special emphasis on products which make computers more accessible to the physically disabled user. Includes a description of software in the following areas: Administration & Management, Assessment, Education, Training & Therapy; Recreation, and Personal Tool or Aid.
Curriculum Software Group
P.O. Box 189
Selma, OR 97538
503/597-2424
Software for special education.

Custom Software For Use in Rehabilitation Facilities
The Sheltered Workshop, Inc.
P.O. Box 1206
208 N. 4th Street
West Memphis, AR 72301
501/732-2750
Programs include: Individual Program Planning, Job/Client Matching, Piece Rate Payroll, Contribution Recording System, Leave Record, and Client Data Management.

Closing the Gap
P.O. Box 68
Henderson, MN 56044
612/248-3294
Bimonthly magazine. Information on the use of computers in special education and rehabilitation, including "Software Previews" column, user comments, articles, and suggestions.

Courseware for Special Education, ordering #50584
$15.00
School Book Branch
Alberta Education
12360 - 142 Street
Edmonton, Alberta, Canada T5N 1L2
403/427-2767
Available on diskette, usable with DB Master program.

CompuPlay Database
$5.00 printed
$10.00 disk (AppleWorks)
National Lekotek Center
2100 Ridge Avenue
Evanston, IL 60204
(312) 328-0001
Descriptions and reviews of software for children with disabilities, including: subject, content, age level, exceptionality, hardware, peripherals, description, comments, price, graphics, animation, and sound. Software reviewed by staff and National Lekotek Center.

Personal Computer Software
IBM National Support Center for Persons with Disabilities
P.O. Box 2150
Atlanta, GA 30055
404/238-3206
800/426-2133
Spread and accumulate information on computer access for the physically disabled.

Apple K-12 Curriculum Software Reference Guides
Apple Computer, Inc.
20525 Mariani Avenue
Cupertino, CA 95014
Or contact local sales representative
Directories of software for education for Apple Computers. Cross indexed by curriculum skills.

Special Education Software Review
Dea Pfeiffer (editor)
3807 Northwood Avenue
Peoria, IL 61614
309/685-8262

Closing the Gap
$21.00/year (U.S)
The Digest of Software Reviews: Education
3999 N. Chestnut Street
Suite 333
Fresno, CA 93726
209/431-8300
1000+ review extracts from 150 journals and magazines; monthly issues and circulation indexes by title, subject, publisher and computer (Ap, Ct, Com, IBM, DEC, TRS-80)

Educational Software
First Software Corporation
Available at computer dealers
A quarterly catalog of bestselling educational products for Apple, IBM and Commander 64 computers.

Software Reports: The Guide to Evaluated Educational Software
$39.95/seasonal issue
$149.50/biweekly looseleaf issues
Trade Service Corporation
10996 Torreyana Road
San Diego, CA 92138
Directory of educational software, including evaluative reviews done by a network of volunteer reviewers. Available as biweekly loose-leaf updates or collected seasonal editions.

The Educational Software Selector (TESS)
$49.95 (price of '84 edition)
Teachers College Press
P.O. Box 1540
Hagerstown, MD 21741
Directory of software for education. Provides descriptions, review sources, and information on required hardware.

MicroSIFT Quarterly Reports
Technology Program
Northwest Regional Educational Laboratory
One Main Place
101 SW Main Street
Portland, OR 97204
Reviews of microcomputer products for education. Issues organized by topic. Organization also has a demonstration and training center.

Churchill Forum
December 1986 Issue
Contribution requested for reprint
Churchill Forum
22 East 95th Street
New York, NY 10128
The December '86 issue of this newletter on learning disabilities was devoted to the topic of computer software for college students with learning disabilities.

An Update on Software in Cognitive Rehabilitation
Sandy Owen
$30.00/yr.
Cognitive Rehabilitation
6555 Carrollton Avenue
Indianapolis, IN 46220
317/257-9672
Publication for therapists, family, and patients. Relevant information on the rehabilitation of impairments resulting from brain injury. Best of available technology, programs, and new methods.

Directory of Software Preview Centers
$10.00 members, $25.00 non-members
International Communication Industries Association
3150 Spring Street
Fairfax, VA 22031
(703) 273-7200

Software Information Services

Connecticut Special Education Network/Software Evaluation
ConnSENSE
Box U-64
249 Glenbrook Road
University of Connecticut
Storrs, CT 06268
203/486-4034
Concerned with evaluating courseware for disabled students. Has telecommunications system for special education administrators, and a telecommunication project for disabled students.

Compuplay
National Lekotek Center
2100 Ridge Avenue
Evanston, IL 60204
312/328-0001
Database of software appropriate for children with mental, physical, behavioral, sensory, and learning impairments. Updated bimonthly.

Special Education Software Center
For Technical Assistance: 800/223-2711
For Technical Assistance (City): 800/435-7639
For Software Information: 800/327-5892
This service center is expecting a name and address change in October of 1987, as part of a new project. In the past this center provided free access to the Center's software database and information services. Can retrieve by any or all of these categories: curriculum or skill term; academic/ready or interest level; handicapping condition; type of computer, peripherals required; primary users; type of instruction. Center staff mail out a printout of all references found, or can send electronically to SpecialNet, CompuServe, or HelpNet (see "Networks"). An info sheet listing hands-on evaluation of products available. Funded by US Dept. of Education

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Waisman Center
University of Wisconsin-Madison

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Trace Quick Sheets
February, 1988

Speech Input Systems

The systems listed below are designed to allow spoken utterances (letters, words, phrases, etc.) to serve as input to a computer or other electronic device such as a telephone. These systems operate by voice recognition. The user "trains" the system to recognize certain utterances by speaking them into a microphone connected to the system. Once the system is trained, it is possible to program the system to associate each recognized utterance with a particular character or string of characters. When the system "hears" a trained utterance, it sends the programmed characters to the computer as input. Most companies provide software to help with training and programming the system.

The spoken utterances can be words or other keyboard commands. Right now none of the systems can understand individual spoken letters. Any spelling must be done by having whole words stand for individual letters (e.g., H-E-L-L-O might be Harry, Ellen, Long, Long, Orange). The maximum length of a single recognized word or phrase possible with today's technology is about two seconds; for some systems the maximum is less. There is no such thing as a system that can interpolate recognition of unknown words: all utterances to be recognized must first be individually trained.

Some specifications that vary from system to system are: maximum length of utterance; number of trained utterances in a single vocabulary; number of vocabularies that can be stored in the system; whether vocabularies can be stored on disk; whether the system can recognize more than one speaker; the percent recognition accuracy; the amount of background noise the system can tolerate; the amount of the computer's memory that the system consumes; and the type and amount of software that is available for vocabulary training and management.

Inclusion on this list is not intended as an endorsement, and the accuracy of the prices is not guaranteed. Contact the manufacturer before placing any order.

Manufacturer	Product	Compatible With	Cost
ACS Telecom 25825 Eshelman Avenue Lomita, CA 90717 (213) 325-3055	ACS Medicom Computer System (complete turnkey system including other input types)	IBM-PC	$5,000.00-$19,000.00
Command Telephone System 5600 North Antioch Road Kansas City, MO 64119 (816) 453-2010	Commmand Telephone System	Telephone (included)	Contact manufacturer

Covox, Inc. 675-D Conger Street Eugene, OR 97402 (503) 342-1271	Voice Master	Apple II family, Commodore 128, Commodore 64, Atari	$89.95
Dragon Systems, Inc. 55 Chapel Street Newton, MA 02158 (617) 965-5200	DART-5000	IBM-PC	$5,995.00
	Voicescribe-1000	IBM-PC XT and AT	$995.00
	Voicescribe 20000	IBM-PC XT and AT	Contact manufacturer
IBM Entry System Division 11400 Burnett Road Austin, TX 78758 (512) 823-2252	Voice Communications Option	IBM-PC XT and AT	$1,295.00
ITT Information Systems 2350 Qume Drive San Jose, CA 95131 (408) 945-8950	Voice Communications System	ITT XTRA	$1,350.00
Interstate Voice Products 1849 West Sequoia Avenue Orange, CA 92668 (714) 937-9010	VocaLink Cellular Module	Standard cellular telephones	$395.00
	VocaLink CSRB-LC	IBM-PC	$1,250.00
	VocaLink Series 4000	DEC, IBM-PC	$5,200.00
	VocaLink SYS300	Various terminals	$1,495.00
	VocaLink VRT300	DEC VT100, C. Itoh CIT 101, Plessy PT 100-B terminals	$1,010.00
Key Tronic P.O. Box 14687 Spokane, WA 99214 (509) 928-8000	Speech Recognition Keyboard	IBM-PC	$995.00
Kurzweil Applied Intelligences 411 Waverly Oaks Waltham, MA 02154 (617) 893-5151	Kurzweil Voicesystem	Various Computers	$6,500.00

Microphonics Technology Corporation 25 37th Street Northeast Suite B Auburn, WA 98002 (800) 325-9206	Pronounce	IBM-PC	$695.00
NEC America, Inc. 8 Old Sod Farm Road Melville, NY 11747 (516) 753-7361	DP-200 Connected Speech Recognizer	Various computers	$7,500.00
	SAR-10 Voice Plus	IBM-PC	$599.00
	SR-100 Voice Input Terminal	Various computers	$2,000.00
Scott Instruments 1111 Willow Drive Denton, TX 76201 (817) 387-9514	Coretechs VET3	Various Computers	$8,995.00
Speech Systems (of Illinois) 715 West Main Street Batavia, IL 60510 (312) 879-6880	Ears	Tandy Color Computer	$99.95
SRI Distribution, Inc. 2691 Dow Avenue Suite F Tustin, CA 92680 (714) 544-9941	Voice Systems Package (also voice output)	IBM-PC	$11,350.00
Texas Instruments, Inc. Attention: Parts P.O. Box 53 Lubbock, TX 79408 (800) 842-2737	TI-Speech	IBM-PC	$1,150.00
Voice Connection 17835 Skypark Circle Suite C Irvine, CA 92714 (714) 261-2366	IntroVoice I and II	Apple II family	$795.00- $995.00
	IntroVoice III	IBM-PC	$995.00
	IntroVoice V	IBM-PC	$495.00
Voice Recognition Systems 550 Battery Street Suite 1716 San Francisco, CA 94111 (415) 788-2007	Voice Driver	Apple II family, IBM-PC	$995.00- $1,395.00

Votan 4487 Technology Drive Fremont, CA 94538 (415) 490-7600	Voice Card	IBM-PC	$1,200.00- $2,700.00
	VTR 6050 Series II	Various computers	$3,500.00- $4,800.00
Words+, Inc. 1125 Stewart Court Suite D Sunnyvale, CA 94086 (408) 730-9588	Voice Command System	IBM-PC	$995.00

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Trace Quick Sheets
February, 1988

Speech Output Computer Programs for Communication

The programs listed below allow the user to communicate vocally by selecting symbols, letters, words or phrases, which the program then "speaks" using a speech synthesizer. They accomplish basically the same functions as a portable stand-alone VOCA (Voice Output Communication Aid), but require a computer and a speech synthesizer. However, unless the computer used is portable or the user is immobile, these systems are severely limited as aids for general communication.

Some of these programs are designed primarily for communication training, and do not offer the size and flexibility of vocabulary that the typical VOCA provides. Some are designed for teaching techniques (such as scanning), for evaluation, for teaching vocabulary, or for communication by a person whose vocabulary is necessarily limited. A brief description of the program is included, explaining where possible the method of selection, the symbol system, and the size of potential vocabulary that the program offers. "Auditory presentation" refers to a program which presents choices sequentially using the synthesized voice. (This method of presentation makes scanning possible for those who cannot see a display.)

Inclusion on this list does not constitute an endorsement, and the accuracy of prices is not guaranteed. Always contact the manufacturer before placing any order. Switch-operated scanning programs will require some sort of switch interface.

Manufacturer	Program	Computer (Speech Synthesizer)	Description	Cost
Adaptive Peripherals 4529 Bagley Avenue North Seattle, WA 98103 (206) 633-2610	Talking Word Board	Apple IIe, II+ (Echo)	Program is used with Unicorn Keyboard and Adaptive Firmware Card to allow the Unicorn Board to be used as a "talking communication board." Direct selection. Symbols and output user-specifiable.	Compli-mentary
Communication Enhancement Clinic Children's Hospital Medical Center 300 Longwood Avenue Boston, MA 02115 (617) 735-6466	Message Maker	Apple IIe, II+ (Echo), Apple IIc (Cricket)	User-definable vocabulary of up to 20,000 characters total. Individual messages are composed from word and phrase lists, and can be spoken and printed. Keyboard selection or single-switch scanning.	$50.00-$75.00

Communication Enhancement Clinic (cont'd)	Scan and Speak	Apple II family (Echo II or +, Votrax Type-'N-Talk, Votrax PSS)	Single switch is used to select from set of user-definable phrases, which are then spoken by the synthesizer or printed. Scanning selection.	$75.00
	Touch & Speak	Apple II family (Echo, Cricket, Votrax PSS, DECtalk)	Direct selection on standard, expanded or membrane keyboard. Up to 600 message locations are user-programmable. Messages can also be spelled out. Some additonal hardware may be required.	$75.00
	Type & Speak	Apple II family (Echo, Cricket, Votrax PSS, DECtalk)	Messages are typed in letter-by-letter, spoken once composed, and then erased by the next message. Direct selection of letters on keyboard, or an optional scanning array.	$50.00
Computerized Enabling Systems 409 South Whitehall Avenue Allentown, PA 18104 (215) 820-4065	Computerized Enabling System	Commodore 64	In addition to communication, the program includes capabilities for phone control, environmental control, word processing, and computer programming. All selections can be made and all data entered by scanning with single switch or joystick.	$1,500-$4,400
Computers to Help People, Inc. 1221 West Johnson Street Madison, WI 53719 (608) 257-5917, TDD 257-1270	Sentence-Scan	Apple II family (contact CHPI)	Up to 20 lists of words can be stored, displayed in large print on screen. Selection is made by keyboard, or single or dual switch scanning. Messages can be composed, printed, spoken.	$25.00
	Talking Wheelchair	Atari (contact CHPI)	Package includes program and plans for complete wheelchair-based communication aid. All selections made with single keystrokes. Estimated cost of system $1,400.	$15.00

Computers to Help People *(cont'd)*	Write	Apple II (contact CHPI)	Educational program in which the student builds up sentences from words displayed sequentially on the screen. Output can be speech or print.	$25.00
Developmental Equipment 981 Winnetka Terrace Lake Zurich, IL 60047 (312) 438-3476	Audio Scan	Apple II family (Echo)	Selection by scanning with a single switch. Auditory presentation.	$99.50
	Touch Com	Apple II family (Echo)	Designed to train a person who is going to use an electronic comm. aid. User presses areas of the PowerPad (not incl. in price of program), and words or phrases are spoken through the speech synthesizer.	$128.00
Dunamis, Inc. 3620 Highway 317 Suwanee, GA 30174 (404) 932-0485	SimpleCom I: Yes/No Communication	Apple II family (Echo)	Program designed to teach the communication of daily needs and other early communication skills. Requires PowerPad membrane keyboard.	$49.95
	SimpleCom II: Needs/Wants Communication	Apple II family (Echo)	The user selects symbols for basic needs by pressing areas on the PowerPad (not incl. with program). Program contains list of 10 basic needs; others can be added.	$49.95
J. Jordan & Associates 1127 Oxford Court Neenah, WI 54456 (414) 725-9046	Control without Keyboards	Apple II+, IIe (Echo)	Allows the PowerPad (not incl.) to be used as a direct-selection communication aid. Various custom layouts can be created and stored. Output can be speech or print.	
Laureate Learning Systems, Inc. 110 East Spring Street Winooski, VT 05404 (802) 655-4755	Fast Access Scan Talker	Apple II family (Echo, Cricket)	Allows the Apple to be used as a scanning communication aid. Vocabularies can be customized. Used with Speak Up, another Laureate program.	$100.00

Laureate Learning Systems *(cont'd)*	Speak Up	Apple II family (Echo, Cricket)	Allows the Apple to be used as a scanning communication aid. Preprogrammed and customized words may be used. The basic form of the program, for which Fast Access Scan Talker is an enhancement.	$95.00
Rehabilitation Institute of Chicago Alan J. Brown Center 345 East Superior Street Chicago, IL 60611 (312) 908-2556	RIC Easy Talker	Apple II (Votrax PSS)	User creates messages by selecting from alphanumeric or word/phrase menus via scanning. Auditory presentation of choices. Vocabulary can be customized.	$135.00
Rushakoff, G.E. Clinical Microcomputer Laboratory Box 3W, Department of Speech New Mexico State University Las Cruces, NM 88003 (505) 646-2801	Talk II	Apple II family (Echo)	User selects from word, phrase and sentence menus by scanning. Vocabulary can be customized by the user. Printed or speech output.	$90.00
Schneier Communication Unit Cerebral Palsy Center 1603 Court Street Syracuse, NY 13208 (315) 455-7591	Magic Cymbals	Apple II family (Echo, Cricket)	User selects from sets of symbols by scanning with single switch. Words for the symbols are spoken by the synthesizer.	$125.00
	Quick Talk	Apple II family (Echo, Cricket, Votrax PSS and Type-'N-Talk, Intex-Talker)	Allows Apple to function as direct selection communication aid. Custom vocabulary is recalled by three-digit number codes. Phone control possible with modem.	$45.00
	Say It	Apple II family (Echo, Cricket, Votrax PSS and Type-'N-Talk, Intex-Talker)	Allows Apple to be used as a scanning communication aid. Auditory scanning of choices in lower tone of voice. Vocabulary can be customized from the keyboard.	$40.00
Soft Cole 1804 Mississippi Lawrence, KS 66044 (913) 842-6085	I Can Talk	Apple II (Echo, Cricket)	16-square grid appears on screen, the user selects words, phrases, or symbols by scanning. Teaching option requires user to match target phrases.	$74.95

Trace Center S-151 Waisman Center 1500 Highland Avenue Madison, WI 53705 (608) 262-6966	Talking BlissApple	Apple II+, IIe (Votrax PSS or Type-'N-Talk)	Using single switch, keyboard or certain communication aids, the user can select, display, speak, and print Bliss symbols and corresponding messages.	$37.10
Words+, Inc. 1125 Stewart Court Suite D Sunnyvale, CA 94086 (408) 730-9588	Multi-Scan	Apple II family, IBM-PC and PCjr (Votrax PSS)	An instructor places a transparent overlay with symbols over the screen, which displays a scanning grid. Vocabulary is programmable. Single switch scanning.	$80.00
	Equalizer	IBM-PC and portables (Voice software; no hardware required	Program provides scanning menus of words and phrases; the user can select with a switch. Also word processing, games, and drawing.	$3,995.00 and up with computer
	Living Center	IBM-PC, Apple IIe and IIc (Votrax PSS)	User selects letters, words, phrases from on-screen menus by single-switch scanning. IBM version includes word processing.	$695.00-$995.00 without computer

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Trace Quick Sheets
February, 1988

Speech Synthesizers

Below is a list of commercially available speech synthesizers. Speech synthesizers produce artificial speech based upon signals sent to them by a computer. Most offer a "text-to-speech" program as well: a program that automatically converts normal English spelling to correct English pronunciation, based upon programmed phonetic rules.

Some speech synthesizers are internal circuit cards which fit into expansion slots in the computer; some are external units that connect to some input/output port. Some are compatible with only one particular computer; others can be connected via standard interfaces such as RS-232 serial. Those listed as "various" in the computer column are of this latter type. Be sure to inquire of the manufacturer whether the synthesizer will work with the particular computer you want to use it with. Other useful inquiries to make are:

1) Is software available which is suited to your purposes and compatible with the synthesizer?
2) How high quality do you want the speech to be? You may consider requesting a demonstration of the synthesizer (keeping in mind that the quality of sound transmitted over phone lines is fairly low).
3) How many voices does the synthesizer offer, and how many do you need? Some synthesizers offer several voices, each with different characteristics such as different pitches. These are frequently designated as "male," "female," "child," etc.

Inclusion on this list is not intended as an endorsement, and the accuracy of the prices is not guaranteed. Contact the manufacturer for more information before placing any order.

Manufacturer	Product	Computer	Cost
Artic Technologies 2234 Star Court Auburn Heights, MI 48057 (313) 435-4222	SynPhonix 100	Apple II family	$155.00
	SynPhonix 200	IBM-PC, XT, AT	$225.00
	SynPhonix jr	IBM-PCjr	$175.00
Digital Equipment Corporation Terminals Business Unit 129 Parker Street Maynard, MA 01754 (603) 884-8991	DECtalk	Various	$4,000.00

First Byte, Inc. 2845 Temple Avenue Long Beach, CA 90806 (213) 595-7006	SmoothTalker	Apple Macintosh	$99.95
Intex Micro Systems Corporation 725 South Adams Road Suite L8 Birmingham, MI 48011 (313) 540-7601	Intex-Talker	Various	$345.00
Josten's Learning Systems 800 East Business Center Drive Mt. Prospect, IL 60056 (312) 296-0510	Ufonic Voice System	Apple II family	$350.00 - $495.00
RC Systems, Inc. 121 West Winesap Road Bothell, WA 98012 (206) 672-6909	Slotbuster	Apple II, II+, IIe	$179.95 - $229.95
Speech Plus, Inc. 461 North Bernardo Avenue Mountain View, CA 94043 (415) 964-7023	CallText 5000	IBM-PC	$3,225.00
	CallText 5050	Various	$3,900.00
Speech Systems (of Illinois) 715 West Main Street Batavia, IL 60510 (312) 879-6880	Super Voice	Tandy Color Computer	$79.95
Street Electronics P.O. Box 50220 Santa Barbara, CA 93150 (805) 565-1612	Cricket	Apple IIc	$149.95
	Echo +	Apple II+, IIe	$149.00
	Echo GP	Various	$249.95
	Echo PC^2	IBM-PC	$149.95
Sweet Micro Systems 50 Freeway Drive Cranston, RI 02920 (800) 341-8001	Mockingboard	Apple II family	$124.95 - $195.00
Tronix Publishing, Inc. 8295 South La Cienega Boulevard Inglewood, CA 90301 (213) 215-0529	Software Automatic Mouth	Apple II family, Commodore 64, Atari 800	$59.95 - $99.95

Votrax International, Inc. 1394 Rankin Drive Troy, MI 48083 (800) 21-1350	Personal Speech System	Various	$449.00
	Type-'N-Talk	Various	$299.00
	Votalker AP	Apple II, II+, IIe	$179.00
	Votalker C-64	Commodore 64	$99.95
	Votalker IB	IBM-PC	$249.00

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Manufacturers of Switches and Controls

Listed below are companies that make or sell switches or controls which can be used for control of communication devices, environmental control systems, or switch-based computer adaptations. All switches perform basically the same function: they open and close an electrical circuit. They may be single, dual, or multiple; and they may be momentary contact (the circuit remains closed only as long as the switch is activated) or latching (activating the switch once closes the circuit; activating it again opens it). The term "control" applies to a proportional (or analog) device: one whose control capabilites more spohisticated than just opening and closing an electrical circuit or circuits. Many joysticks used to control electric wheelchairs are proportional controls.

This list includes North American manufacturers only, and is not intended to be all-inclusive or to imply any recommendations. Contact the manufacturers for more information on types of switches, prices, etc.

AbleNet
Cerebral Palsy Center, Inc.
360 Hoover Street
Minneapolis MN 55413
(612) 331-5958

ComputAbility Corporation
A Division of Preston
101 Route 46 East
Pine Brook NJ 07058
(201) 882-0171

Creative Switch Industries
P.O. Box 5256 A-2
Des Moines, IA 50316
(515) 287-5748

Developmental Equipment
981 Winnetka Terrace
Lake Zurich IL 60047
(312) 438-3476

Dickey Engineering
3 Angel Road
North Reading MA 01864
(617) 657-3460

DU-IT Control Systems Group, Inc.
8765 Township Road #513
Shreve OH 44676
(216) 567-2906

EKEG Electronics Company LTD
P.O. Box 46199, Station G
Vancouver BC V6R 4G5
CANADA
(604) 685-7817

Fred Sammons, Inc.
Box 32
Brookfield IL 60513
(800) 323-7305

Handicapped Children's Technological Services, Inc.
P.O. Box 7
Foster RI 02825
(401) 861-6128

Hugh MacMillan Medical Centre
350 Rumsey Rd.
Toronto ON M4G 1R8
CANADA
(416) 425-6220

Luminaud, Inc.
8688 Tyler Boulevard
Mentor OH 44060
(216) 255-9082

Maddak, Inc.
Pequannock NJ 07440
(201) 694-0500

Medical Equipment Distributors, Inc.
3223 South Loop 289
Suite 150
Lubbock TX 79423
(806) 793-8421

Prentke Romich Company
1022 Heyl Road
Wooster OH 44691
(216) 262-1984

Steven E. Kanor, Ph.D., Inc.
8 Main Street
Hastings-on-Hudson NY 10706
(914) 478-0960

TASH, Inc.
70 Gibson Drive
Unit 1
Markham ON L3R 4C2
CANADA
(416) 475-2212

Words+, Inc.
1125 Stewart Court
Suite D
Sunnyvale CA 94086
(408) 730-9588

Zygo Industries, Inc.
P.O. Box 1008
Portland OR 97207
(503) 297-1724

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Trace Quick Sheets
January, 1988

Videotapes on Augmentative Communication and Computer Access

This list was originally prepared for the Trace ResourceBook Series by Beverly Vicker at the Institute for the Study of Developmental Disabilities, Indiana University. The list has been updated by the Trace Center for ResourceBook 4. All of the tapes listed in this bibliography have not been personally reviewed, so the information in the abstract reflects, in many cases, a description of content by the producing organization. Much of the information was gathered through telephone contacts. An apology is extended to any individual or organization whose video production(s) were overlooked and subsequently not listed. Please send the appropriate information to the Trace Center for inclusion on future lists.

Symbol Boy
Blissymbolics Communication Institute
VHS; 5 minutes
Lauren Productions
56 Shaftsbury Avenue
Toronto, Ontario, Canada M4T 1A3
This animated video demonstrates the usage of Blissymbols for preschoolers.

ID #VT-3
Prentke Romich Company
VHS; 55 minutes
Prentke Romich Company
1022 Heyl Road
Wooster, OH 44691
216/262-1984
Prentke Romich is a distributor of training tapes, including the use of electronic communication aids. Contact Prentke Romich for a current listing of video tapes, as revisions of the current library are in progress (summer 1987).

Access
Free loan; 10 minutes 45 seconds
Apple Computer, Inc.
Office of Special Education
20525 Mariani Avenue
Cupertino, CA 95014
408/973-3854
A demonstration of how computers are affecting the lives of disabled children and adults.

PM Magazine's "Jim Brooks"
PM Magazine
1981
VHS, 3/4"; 6 minutes
Artificial Language Laboratory
405 Computer Center
East Lansing, MI 48824-1042
This tape segment shows an interview with Jim Brooks, who was a client at the Artificial Language Laboratory. The tape is available as a separate tape or on combination tape with "Finding a Voice" and "A Gift for Serena."

Minspeak
Council for Exceptional Children
1984
VHS; 17 minutes
Prentke Romich Company
1022 Heyl Road
Wooster, OH 44691
216/262-1984
Bruce Baker, the linguist who developed Minspeak, is interviewed about the conceptual development of it. (On tape with VT-1 with the Lainey System and "A Special Magic."

Lee Kweller's Bar Mitzvah
CNN/TV and NBC
1985
VHS, 3/4"; 10 minutes
Artificial Language Laboratory
405 Computer Center
East Lansing, MI 48824-1042
This tape consists of several short clips of tapes that appeared on the above listed TV networks. The tapes include an interview with Lee and his mother, and shows him using his voice output communication device at his Bar Mitzvah.

K6124-Sattelite Teleconference
VHS, 3/4"; 3 tapes
Great Plains National Instructional TV Library
P.O. Box 80669
Lincoln, NE 68501
800/228-4630
Need close-caption.

Lainey
University of Tennessee
1985
VHS; 13 1/2 minutes
Prentke Romich Company
1022 Heyl Road
Wooster, OH 44691
216/262-1984
The tape shows an integrated system of technical aids in the areas of communication, computer access and mobility. The system is in use by Lainey Marty, a sixteen-year-old public school student. On tape VT-1 with "A Special Magic" and Bruce Baker on Minspeak. Tape also available in 3/4" or 1/2" tape from University of Tennessee Rehabilitation Department, 682 Court Avenue, Memphis TN 38163.

Eye Scan
Artificial Language Laboratory
1984
VHS, 3/4"; 30 minutes
Artificial Language Laboratory
405 Computer Center
East Lansing, MI 48824-1042
This video documents the evaluation of a 6-year-old using an eye scanning device.

Disabled Access to Technological Advances
Access to Independence, Inc.
1986
VHS, Beta; 23 minutes
Access to Independence, Inc.
1954 East Washington Avenue
Madison, WI 53704
608/251-7575
This videotape shows how computer technology can be used to enhance employment options in a variety of fields for persons with severe physical disabilities. Featured are three people using computer technology to help achieve their employment goals: a counselor using computer retraining drills and training in word processing; a planner using a lap computer with a speech synthesizer for communication and as a keyboard emulator to access the office computer; a law student describing how word processing and access to legal databases will make him more productive.

Bilingual Augmentative Communication by a Cerebral Palsied Adolescent
Brown Center for Alternative Communication and Environmental Control
1984
3/4"; 12 minutes.
Research Dissemination, Education and Training
Rehabilitation Institute of Chicago
345 E. Superior Street
Chicago, IL 60611
312/908/6184
Can also be available in 1/2" format with sufficient advance notice. This videotape focuses on a unique solution to a cerebral palsied adolescent's need and desire to communicate to his friends in Spanish as well as in English via his newly acquired electronic communication device with synthesized speech. It encompasses not only the evaluation and selection procedure for use and prescription of the communication system, but also the hierarchy involved in the training stages.

Five Augmentative Communication Training Strategies for Fostering Early Communicative Interactions.
VHS, 1/2", 25 minutes
1987
Mary Blake Huer and
Katherine Priddy Stewart
University of Wisconsin-Whitewater
Department of Communication/Communicative Disorders
Roseman 1020
Whitewter, Wisconsin 53190
414/472-1485
A videotape presented at the 1987 ASHA convention. The objective of this videotape is to demonstrate the effectiveness of five training strategies for fostering early communicative interactions. The videotape provides a "how to" demonstration of the specialized therapeutic procedures recently published in augmentative communication. Actual videotaped segments from pre- and post- treatment with children having different diagnoses are presented for practitioners to "see" what is written in the textbook. References for each strategy, goals for the treatment presented, and other resources are provided for viewers.

A Special Magic
University of Tennessee Rehabilitation Engineering Center
1979
VHS; 20 minutes.
Prentke Romich Company
1022 Heyl Road
Wooster, OH 44691
216/262-1984
or from the REC at Memphis, 682 Court, Memphis TN 38163, 901/528-6445.
This tape shows Lainey Martz from the videotape "Lainey" as a nine-year-old. The central theme of the tape involves an introduction to the field of rehabilitation engineering. This tape may be out-of-date, please contact distributor for further information.

A Gift for Serena
WDIV TV, Detroit
1982
VHS, 3/4"; 20 minute
Artificial Language Laboratory
405 Computer Center
East Lansing, MI 48824-1042
This tape documents the search of a family for a communication enhancement system for 9-year-old Serena. John Eulenberg describes the various approaches taken at the Artificial Language Laboratory to help provide Serena with an augmentative means for communication. The tape is available separately or on a combination tape with Nova's "Finding a Voice," (a BBC documentary on the Artificial Language Laboratory) and PM Magazine's segment on Jim Brooks.

To Say I Am
KOCE TV; Judy Montgomery, Consultant
1980
VHS, Betamax, 3/4"; 30 minutes
Lawren Productions, Inc.
P.O. Box 666
Mendocino, CA 95460
This tape originally aired on PBS stations as a general public awareness tape. It includes a 20-page viewers guide. It presents introductory information about assessment and programming, and depicts some augmentative communication devices such as the ZYGO 100. The tape was made at Plavan School, Anaheim, California.

To Be Like Anyone Else
Crippled Children's Hospital and South Dakota Dept. of Education
1984
VHS, 3/4"; 29 minutes
Speech Department
Crippled Children's Hospital and School
2501 West 26th Street
Sioux Falls, SD 57105
This video demonstrates the usage of augmentative communication devices by multiply handicapped children in a variety of real-life situations.

Talk Is Not a Four-Letter Word
Sally Blackstone and Lucinda Cassatt-Jones
1986
VHS, 3/4"; 16 minute
Publications Department
American Speech-Language Hearing Association (ASHA)
10801 Rockville Pike
Rockville, MD 20852
301/897-5700
This video presents an overview of the area of augmentative communication and illustrates the diversity of individuals with severe expressive communication disorders, and the variety of techniques, strategies and aids used to circumvent the communication problem. An instructional guide is also included.

System for Augmentative Communication
Elaine Heaton and Barbara Strohback
VHS, Beta, 3/4"; 57 minutes
Purchase only:
VTI (Voice Tapes, Inc.)
The target audience for this tape, which includes a packet of discussion materials, includes pre-service students and professionals with minimal exposure to this area. The content includes a discussion of systems for augmentative written and spoken communication as well as a discussion of low technology systems and a philosophical overview of concepts involved in augmentative programming.

Personal Computing: Help for the Handicapped
Paul Hazan
1981
3/4", VHS, Betamax
Paul Hazan
Applied Physics Laboratory
Johns Hopkins Road
Johns Hopkins University
Laurel, MD 20707
301/953-5364
This captioned tape outlines the potentials of the microcomputer to aid blind, deaf, and physically disabled individuals in everyday situations. A brief review of microcomputer uses is presented.

Personal Computing: Help for the Handicapped--The National Fair
Paul Hazan
1981
Betamax; 9:41 minutes
Paul Hazan
Applied Physics Laboratory
Johns Hopkins Road
Johns Hopkins University
Laurel, MD 20707
301/953-5364
This is a videotape of the 1981 Johns Hopkins University National Fair. The tape includes demonstration of an eyetracker communication system, a pocket telecommunicator for the deaf, LipReader/Trainer program package, a reading machine for the blind and dyslexic, a motor handicapped support system, programs for the learning disabled, Microbraille system (a software program).

Now I Can Speak
Blissymbolics Communication Institute
1981
VHS, Beta; 20 minutes
Lauren Productions
56 Shaftsbury Avenue
Toronto, Ontario, Canada M4T 1A3
The videotape shows the versatility of communication and interaction styles of adults and children who use Bliss symbols. Fourteen different variations of use are shown, i.e., use of eye gaze, use with signing, etc.

Hullaballo at High Rock
Crippled Children's School and Hospital
1986
VHS, 3/4"; 12 minutes
Speech Department
Crippled Children's Hospital and School
2501 West 26th Street
Sioux Falls, SD 57105
605/336-1840
This videotape demonstrates the creative process of producing a play by communication handicapped children using augmentative devices. The tape shows the students and interviews with the various service staff who were involved in the process.

Mr. Symbol Man
Canadian Broadcasting System (Consultant, Shirley McNaughton)
1975
VHS, Beta; 50 minutes
National Film Board of Canada
1251 Avenue of the Americas
New York, NY 10020
Also from: Benchmark Films, Inc.
145 Scarborough Road
Briarcliff Manor, NY 10510
The video describes the life and work of Charles K. Bliss. It also shows segments demonstrating Bliss symbol users during the early stages of the Ontario Crippled Children's Centre Project.

Dependence to Independence
Elaine Trefler, University of Tennessee Rehabilitation Engineering
1986
VHS, Beta, 3/4"; 15 minutes
Association for Advancement of Rehabilitation Technology (RESNA)
Suite 700
1101 Connecticut Avenue NW
Washington, DC 20036
202/857-1199
This videotape presents a broader view of rehabilitation technology as it applies to communication, etc. An overview of nation-wide research projects and service related issues are presented.

From Silence to Solist
1982
VHS, 3/4"; 27 minutes
Media Resource Center
Meyers Children's Rehabilitation Institute
444 S. 44th Street
Omaha, NE 68131
402/559-7467
This videotape follows the development of communication skills, both oral speech and augmentative skills, of a boy from age 4 to age 11. The tape demonstrates for parents, etc., that the use of augmentative devices, neither manual communication boards nor electronic devices, prevent the child from developing oral speech skills that are possible within the parameters of his neurological abilities.

Finding a Voice
Nova Series
1982
3/4", VHS, Betamax; 60 minutes
Time-Life Videos
WGBH Educational Foundation
100 Eisenhower Drive
Paramis, NJ 07652
This tape shows several augmentative system users. The focus of this tape is on the development of one system for an individual, and a demonstration of it. A description of other systems is presented, as well as an interview with John Eulenberg.

Augmentative Communication Training: Action Modules
VHS, 6 tapes; 20-30 minutes each
1987
Dr. Albert Cook
Assistive Device Center
650 University Ave.
Suite 101B
Sacramento, CA 95825
916/924-0280
This will be commercially available by the spring of 1988; the distributor has not yet been identified. A companion syllabus will accompany each of the six tapes in this series. The tapes will cover the topic of an overview of the field of augmentative and alternative communication, evaluation of physical, cognitive, and language abilities, decision-making, i.e., achieving an interface between needs and abilities, different types of options, and training clients to use a system.

Aaron
1984
AESIR Software Engineering
P.O. Box 5383
Pinedale, CA 93650
Jacqueline Able, director of Speech Pathology at St. Agnes Hospital, Fresno, California, discusses different needs for augmentative communication systems within the hospital for both short-term and long-term patients. Steve Able, a software engineer for Aesir software engineering, demonstrates the Aaron software system, which runs on an IBM/PC and presents a scanning keyboard screen. The user must be able to control a switch; the program "learns" from past experience (i.e., user's language style). The software package is $350.00

BreakThru
Blissymbolics Communication Institute
1981
VHS; 50 minutes
Lauren Productions
56 Shaftsbury Avenue
Toronto, Ontario, Canada M4T 1A3
This video documents the lives of three nonspeaking persons within the context of their families and/or residential/educational facility. Although all three people (a 9-year-old, an 18-year-old, and a 30-year-old) use Blissymbols this is incidental to the thrust of the videotape.

Computer Access for Disabled Individuals
Trace R&D Center
1986
VHS; 16 minutes; $15.00
Trace R&D Center
S-151 Waisman Center
1500 Highland Avenue
Madison, WI 53705
608/262-6966
This open captioned videotape demonstrates current computer access techniques for physically disabled, blind, and visually impaired individuals. The impact of the ability to use computers and the importance of ensuring easy access to future computer systems is discussed. Prepared for the NIHR-OSERS Initiative on Computer Access.

Computer Programmer Training for the Handicapped
TODDCOMP
1979, 1983
VHS, Betamax, 3/4"; 24 minutes
Dr. Wilson
TODDCOMP
108 Whitten Hall
University of Missouri Extension
Columbus, Missouri 65211
314/882-2394
This tape is directed at business and industry employers, demonstrating the qualifications of the disabled in the area of computer programming. It analyzes several training programs from candidate selection to job placement, emphasizing the goal of independence for the disabled. Attitudinal barriers, however, need to be changed, according to the text, so that the disabled can have appropriate opportunities for education and employment.

Feeling Free
$75.00/tape to purchase, $25.00 to rent
NCHRTM
Oklahoma State University
115 Old USDA Building
Stillwater, OK 74078
405/624-7650
6 1/2-videotapes to help others share the lives and feelings of handicapped children. Originally shown on public television.

Videotapes Available from IBM
IBM Special Education Programs
1300 Rockville Pike
Rockville Pike, MD 20852
301/897-3859
At My Fingertips (Telesensory Systems, Inc.); Equal to the Task (Telesensory Systems, Inc.); Here I Am: The International Games for the Disabled; IBM: Writing to Read; 1984 Easter Seal Computer Camp; Visualtek Product Demonstration Video

Autistic Education Program Videotape
1/2" VHS, $49.95
ASIEP Education Company
P.O. Box 12147
Portland, OR 97212
503/236-1317
A 25-minute color videotape showing how to teach nonverbal students using a communication focused language curriculum. Includes how to teach sign use, sign-speech procedures, how to teach sign and sound pairing, how to teach speech initiation, and how to use peer tutors.

Oh Say What They See: An Introduction to Indirect Language Stimulation Techniques
1/2" VHS, 1/2" Beta, 3/4"; $295.00
ASIEP Education Company
P.O. Box 12147
Portland, OR 97212
503/236-1317
Animation and adult/child interactions are used to explain and demonstrate indirect language stimulation techniques. Model training sessions show staff, parents, and adult caregivers how to incorporate techniques with daily routines. A viewer's guide reviews each language development technique demonstrated in the videotape.

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